

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>  
Subject: [17545] 20m 3el vertical wire beam

I just posted the results of modeling this very simple antenna to my web page. Below a take-off-angle of 15 degrees, it has more gain than a dipole at the same height and has a 20dB front/back ratio.

73, Cecil, W6RCA, 00TC <http://people.delphi.com/CecilMoore>

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: N4JS <jsielke@pobox.com>  
Subject: [17568] 30M  
Message-ID: <Pine.LNX.3.95.970417083047.997A-100000@jsielke.ppp.cyberenet.net>

Strange conditions! Yesterday morning I heard JH7JVJ 579 here. I also heard Doc, K0EVZ calling him. Niether of us got him, but he had a good signal. This morning, nothing on 30M, Dead as a doornail, not even RTTY. I checked, and the antenna is still there.

_ _ _ _ _	John L. Sielke	n4js@amsat.org	n4js@pobox.com
\         _     / _ _	n4js@n4js.ampr.org	NJ Grid:FM29LN	
. '     _ _       \ _ _ \	<a href="http://www.pobox.com/~n4js">http://www.pobox.com/~n4js</a>		
_   \ _     _   \ _ _ /   _ _ /	NJ-QRP #57	QRP-L #884	QRP-ARCI #9328
NE-QRP #507	G-QRP #9544	NorCal	QCWA FISTS #2781

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: duane <duane@flinet.com>  
Subject: [17549] 38 logo  
Message-ID: <01BC4ABF.D3D9B340@pm10-13.flinet.com>

Any one wishing to view the logo I designed please go to=20  
<http://www.flinet.com/~duane/hamlist/ham-www.htm> to view the logo.  
This is an update I had a typo in my html and some of you may have had  
A problem downloading the files. I fixed the typo so all is working fine =  
now.  
BTW the download files are in a zip format so you will need a unzip =  
program  
Such as pkunzip,to unpack (unzip) the program or just go to the page =

below and view the picture and right=20

Click it and choose save it from your web browser program. Most browser =

Save all photos viewed automatically in the browser directory even if =  
you don't download the file. So if you have any other problems just look =  
in your browser 's directory for a file called 38logo2.gif and that will =  
be the file.

Repeat message below

I have also posted the logo on my download page at =

<http://www.flinet.com/~duane/download/download.html> this is for =  
downloading the logo.

The photo will not be shown on the download page just select the one you =  
want.

There are two 1) is a GIF file approx. 54k , the other 2) is a bmp =  
(approx. 245k) file that are commonly used by windows paint brush =  
programs.

duane@flinet.com

<http://www.flinet.com/~duane> my homepage

<http://www.flinet.com/~duane/ham/ham.html> my ham radio page

ab4be@amsat.org second mail address

Qrp-L # 710

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997

From: duane <duane@flinet.com>

Subject: [17539] 38 Special LOGO

Message-ID: <01BC4AB4.A3095DC0@pm10-13.flinet.com>

Any one wishing to view the logo I designed please go to=20

<http://www.flinet.com/~duane/hamlist/ham-www.htm> to view the logo.

I have also posted the logo on my download page at =

<http://www.flinet.com/~duane/download/download.html> this is for =  
downloading the logo.

The photo will not be shown on the download page just select the one you =  
want.

There are two 1) is a gif file approx 54k , the other 2) is a bmp =  
(approx 245k) file that are commonly used by windows paint brush =  
programs.

duane@flinet.com

<http://www.flinet.com/~duane> my homepage

<http://www.flinet.com/~duane/ham/ham.html> my ham radio page  
ab4be@amsat.org second mail address  
Qrp-L # 710

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Wayneb1103@aol.com  
Subject: [17558] 38S  
Message-ID: <970417015900\_-166697734@emout14.mail.aol.com>

Well I be much closer. The transmit side seems to be ok, the rcv...well it a bit iffy yet. I tuned an antenna and put it on the radio and patiently started looking for signals. The only mod I have installed so far is the tick keyer.

My first observation was that the audio was not what I think it should be. It was way down but an amplified speaker took care of that for the moment. Next, there was way too much noise. At first I thought that it was atmospheric noise but I could make it change by wiggeling stuff. Unfortunately I could not duplicate the solution (make it happen twice in a row), no...that would be to easy.

By fiddeling and careful tuning, I would occassionally pick up a signal underneath the noise and sometimes even bring the signal briefly to the front. Dont ask me to define fiddeling ( I cant spell it so how can I define it) as again there was nothing reproducable.

I tried to peak on one of the signals but only got one peak so yes the transofrmer has to come off (again) and I will remove another turn. What really bothered me was that the signal would drift. Now I think I read every note posted on this radio but don't recall anyone discussing reciever drift. I am sure it was drift as the cw would tend to vary in pitch.

Well, ther's where I be. I will accept any and all comments thru the end of this month, and the next...and probably June. :)

Thanks

Wayne WB7WHI  
Spokane, Wa.

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "Jeff M. Gold" <JMG@tntech.edu>  
Subject: [17621] 4 sale-N38S  
Message-ID: <01IHTCSVVUR68WXX4K@tntech.edu>

Howdi,

I am about ready to sell my N38S. It is in a nice blue case made of board material.. some minor scratches.

- .built in speaker
- .Tick keyer
- .5 watt power mod
- .on/off switch as part of RF control

made MANY contacts on it.

shipped US \$75

72

Jeff, AC4HF

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997

From: "Jeff M. Gold" <JMG@tntech.edu>

Subject: [17622] 4 sale-Nw8020

Message-ID: <01IHTCV0RTQW8WXX4K@tntech.edu>

Howdi,

I have a NW8020 (from Dan's). It is in a nice K5F0 case he sold way back when.

- .5 watt
- . optional audio filter
- . optional rit
- .large built in speaker

seems to really go thru the DX

\$95 shipped US

72

Jeff, AC4HF

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997

From: Scott Cranston <cranston@zk3.dec.com>

Subject: [17609] 4sale: QRP++

Message-ID: <9704171745.AA20688@alpha.zk3.dec.com>

For Sale:

My QRP+, S/N 965, was bought new in Sept 95 and then upgraded to a QRP++ by Index Labs in March 96. Includes an Icom HM70 mic. No mods done.

The radio is in as new condition, never been operated any place other than my radio desk in the house, no scratches, dents, dings, scuffs, etc. I have the original box, manual, misc info, etc.

Price: \$525.00 Shipped & Insured via regular delivery UPS in the Cont. USA.

Scott cranston@zk3.dec.com  
KB1NW

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: clifton w sikes <csikes@brightok.net>  
Subject: [17542] 50/40/30 Report-15 April 1997  
Message-ID: <199704170232.VAA21624@cowboy.brightok.net>

Here is the scoop. I had a real blast, even with poor conditions. I worked several foks from this list, and a bunch I had never heard before. It was a real treat for me to work Barry, WD4MSM, on both bands. I could never seem to hear him as the N/T Fox. Thanks to all for a fun evening. As the night wore on, I seemed to get a little chatty. Really had some memorable qso's.

30meters

0001	WD4MSM	559	In.	Barry	5w
0005	N4ROA	559	Va.	Dan	5w
0007	N7CQR	339	Or.	Dan	5w
0013	WA1QVM	119	Ma.	Joel	4w
0015	KS4HQ	339	NC	Bob	5w
0024	K4WA	559	Ga.	Ron	5w
0028	KT3A	229	Pa.	Cam	5w
0033	N7GS	339	Mt.	Mal	2w
0041	W6EMD	339	Ca.	Dave	2w
0049	WA4KAC	449	Md.	Walt	2w Attic Loop
0100	KB4GAP	559	Al.	Ken	60w
0117	K2CQV	559	NC	Dave	100w
0130	KJ7NS	449	Wa.	Phil	5w ( My Brother-Shoulda been at wrk
0137	K1GDH	449	Ma.	Ed	5w

0151      AA2VG          559      NY      Peter      100w

Joel was very tuff to pull out, then he qsb'd up to 449. I fought qsb all night.

40 meters

0209	N4UY	339	Va.	Jake	5w
0214	AB7TK	339	Id.	Randy	2w
0217	WD4MSM	449	In.	Barry	5w
0223	KM7W	339	Tn.	Marty	4w
0228	AE4DT	559	Ga.	Jimmy	60w- He went down to 5w
0233	K4WZ	559	Ga.	Ron	5w
0236	W8PBS	559	Oh.	Phil	30w
0241	N3Q00	559	Co.	John	5w
0244	WB4EXW	539	NC	Watson	5w
0247	WA4KAC	449	Md.	Walt	2w
0251	N4ROA	579	Va.	Dan	5w
0253	W6EMD	339	Ca.	Dave	5w
0255	W3HP	449	Pa.	Len	100w
0304	WA6SAW	559	Ca.	Leon	100w
0313	WF6B	339	Ca.	Don	2w
0319	N7GS	559	Mt.	Mal	2w
0335	AA3BZ	449	NJ	Jim	2w

There you have it. The last 30 minutes, I heard no cw signals at all from 7.040 to 7.050. Lots and LOTS of ssb signals. Every one of the qro ops were very interested in qrp. A very enjoyable time for me. Thank you all, and cards will be sent via US Buro.

72, Clif  
Clifton Sikes

AB5UA  
Earlsboro,Ok.

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "Phil, K6LS" <k6ls@amsat.org>  
Subject: [17593] a "code came in handy story"....  
Message-ID: <33563AB4.5C2A@amsat.org>

I am reading a book by Ben Rich, titled "SKUNK WORKS" which is basically a history of the place from the U-2 to the F-117.

anyway, here is part of an item written by Marty Knutson (first pilot selected to fly the U-2). 1958, near Zahedan, Iran at a designated landing strip.

"...One of the agents had a six pack of beer icing. They had an antenna set up and were supposed to send a coded message that I was safe. One of the guys came to me and said, "Our equipment is down. I know your a ham operator, do you, by any chance, know Morse code?" I'm sitting there under a blazing sun, still in my pressure suit, sipping a beer in one hand, and with the other tapping out the dots and dashes."

talk about having TWO good fists!!!!

72/73 de Phil, K6LS

CM97QI, Merced County  
k6ls@amsat.org  
<http://www.qsl.net/k6ls>

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Roger Hightower <n7kt@dancris.com>  
Subject: [17551] A CW class story (long!)  
Message-ID: <33559E6E.6B77@dancris.com>

A few weeks ago at a club meeting, I threw out a question: "Who wants to learn CW? Who wants to start at a high character speed?" A bunch of hands went up and we were off and running.

Dave, AI7R got us scheduled in to the conference room at the Tempe Police Substation, and we set up our first session. Had no idea how many would show up or what the skill levels were. Turned out that 21 hams showed up, and one not-yet-licensed person.

I asked them to make a commitment to study at least 20-40 minutes each day, in as many sessions as it took to reach that total time, and to stick with it. The commitment wasn't to me, it was to themselves.

After some discussion it was decided that we'd start as if no-one knew anything, and assigned eight characters and five numbers to learn before the next class.

The following Monday we played a tape of those characters/numbers at 24 wpm character speed, but only 3 wpm word speed. A little bit of a wakeup call. No new characters were assigned for the next session, but the students now knew what was coming up.

One week later, third meeting. Still 24wpm characters, 3 wpm words, and nearly everyone knew them all. After three five-minute copying sessions of random 5 character groups, the \_students\_ asked that the word speed be increased. Did a session at 4 wpm, then 5 wpm and they were still

with me. Remember, this is really only the second session where they tried to copy CW. Assigned eight more characters to study.

This coming Monday we'll start at 4 wpm word speed, still at 24 wpm characters, then we'll step it up to 5 wpm, then probably end up at 6 wpm words. And we'll assign some more characters for the next Monday.

They're doing it. No one has dropped out, and we have a couple more that want to join in. In a couple of weeks we'll start doing qso's, and soon after that hit 'em with a 5 wpm code test. I know they'll pass, and we're on our way to 13. Actually, we'll be up to 26 wpm characters by then, but they won't know the difference.

The key to this thing is to start at high character speeds, so they have the character recognition down the way it should be. Then \_they\_ find out that the word speed is too slow and ask us to speed that up. If some of them have trouble, we back off a bit until it's straightened out and then carry on.

We built a distribution system using amplified jack-boxes so everyone uses headsets from the start, and it works well. Provided headsets for those that don't have them, and made some MFJ-418 Code Tutors available to borrow (with a deposit) or buy at a discount. Everyone that wanted one got a copy of SuperMorse so they could do it on the computer and set the speeds where we wanted them to. It's working, and we're all having fun.

Code tapes are randomly generated by the MFJ-418, and since I don't know what's coming, I have to copy right along to have something to check them with. The output of the 418 feeds 4 amplified boxes and 22 sets of headphones....cool. What a neat little machine.

Don't despair...there are still new hams out there who want to learn the code, but just don't know how or have anyone to help them. Find them and offer your assistance. It will help your copy too.

--

72/73 de Roger N7KT    n7kt@dancris.com    Mesa, AZ    Grid DM43cj  
NorCal 40-9er, NC38S, NC-40A, Cascade, Sierra, OHR400, HW-9  
NorCal 1099    CoQRP 176    QRP-L 62    G-QRP 9081    ARCI 8946    NE-QRP 383

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: kh6b@juno.com (Dean W Manley)  
Subject: [17595] AL0HA Hawaii DXpedition  
Message-ID: <19970417.061129.5391.0.kh6b@juno.com>



Dean Manley posted a note on 2/27 saying there would be some operations around the Hawaiian islands this weekend. Still happening?

copy of previous post from kh6b@juno.com (Dean W Manley):

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The fifth annual DXpedition to Moku Ola Island, an island in the North Pacific at approximate coordinates 19.7462 north 155.5843 west, will take place April 19 and 20. Co-sponsored by Hawaii Chapter QCWA, this special event station will use the call sign AL0HA. Station Aloha club call belongs to the Coconut Island DX Association. Planned antennas are 1: multiband vertical in the bay using salt-water ground and 2: a tilted half rhombic spanning the length of the island. Both cw and ssb on 160 thru 10 meters. Special emphasis QRP frequencies 7040, 14060 kHz. Special QSL cards will be sent upon receiving yours. SASE appreciated. QSL via Dean Manley KH6B, 2058 Ainaola Drive, Hilo, HI 96720-3638.

Kent Torell    torell@sicom.com    602-607-4852  
SICOM    7585 E. Redfield, #202    Scottsdale, AZ    85260  
AB7OA    scQRPion 6,qrp-1 57,ARCI 9075    DM33xn    33.55 N 112.078 W

Yes, Kent and Gang, it's still a go. cul . .

73 and Aloha, Dean Manley KH6B  
ARRL Life Member, HI Chapter QCWA,  
ARCI 6257, QRP-L 1032, HI-QRP 1, NorCal ????,  
BK29KP Hilo, Hawaii  
kh6b@juno.com

From owner-qrp-1@Lehigh.EDU    Thu Apr 17 18:04:11 1997  
From: WD6BOR@aol.com  
Subject: [17597] Antique radio list?  
Message-ID: <970417123344\_-1635594660@emout14.mail.aol.com>

Ok, I know this isn't exactly related, but...

I just tried posting a message (my first, naturally) to the "rec.antiques.radio+phono" old radio list but, of course, had it bounce. Does anyone have the correct posting address to this list? I'm trying to find a schematic for my parents old Zenith Trans-oceanic SWL radio so I can get it working again. I'm hoping it still has those old "Whistler" and "Gunsmoke" broadcasts that I listened to as a kid.

Now, back to our regularly scheduled QRP discussion.

Darrel, WD6BOR  
WD6BOR@AOL.COM

PS. This year VOMARC's hamfest is on April 26th, so we'll be operating QRPTTF from a pretty wierd and mysterious location... the VOMARC hamfest! See you then!

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: gsurrency@juno.com (Gary L Surrency)  
Subject: [17604] ARK 30 mods request favor  
Message-ID: <19970417.094955.10246.4.gsurrency@juno.com>

Does anyone have the bandpass filter mod I posted here last year, maybe it was sometime between July and October, that eliminated the BCI problem on the ARK 30? If I knew the exact date, I would pull it off the FTP archives.

Pete, WB9FLW, is building an ARK 30 and requested that mod, but I seem to have misplaced it somewhere, or it got clobbered when I upgraded Netscape once. I would really appreciate it, and I know Pete would too. Thanks!

I'm still looking for a printout of it, but no success so far. Dunce cap is on here.  
<:-(

Sorry for the bandwidth, but TIA.

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Oh yeah.. I meant to say in yesterday's post on the 38S mods I made that I have been using a small jeweler's screwdriver to cut the PCB traces on my 38S. It works really well, and the small sharp corners of the little screwdriver tip makes just the right size cut without causing un-necessary damage to any other areas of the PCB. Just make a couple of opposing gouges at the point you want to cut the trace, and continue to make small chisel cuts until you can see a little bit of light through the PCB when you hold it up.

This works much better than an Exacto knife, or similar method. It is a teensy weensy chisel, so to speak.

Touch up the tip of your little screwdriver with a fine file if you need to, but they usually come with pretty sharp edges unless you have used it

a lot on other non-QRP stuff, like eyeglasses! :-)

vy 72,

Gary Surrency AB7MY

QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

Az ScQRPions

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997

From: Paul Erickson <paul1@wizard.ucs.sfu.ca>

Subject: [17550] Buzznot/OHR400?

Message-ID: <9704170350.AA01263@wizard.ucs.sfu.ca>

Hi Everyone,

I just finished putting a KC-2 in my OHR-400 after a several month pause  
Has anyone put a buzznot in this rig? Also, has anyone else experienced  
a bit of instability at the upper end of the vfo range? I either don't  
have L104/C134 adjusted right, or I have a temperature sensitive part(s).

The rig is fine on initial fireup, but after it has been on for a while  
the freq fluctuates a few hundred hz according to my counter. If I go to  
the lower portion it settles down, or if I turn the rig off for a while  
it is ok for a while again.

I just sent a message to OHR, and no doubt they will have an answer tomorrow,  
but thought I'd try here in case someone has an idea tonight.

cheers, Paul

VE7CQK

email: paul1@wizard.ucs.sfu.ca

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997

From: Denton Larson <dlarson@ic.waseca.mn.us>

Subject: [17620] Cascade sold

Message-ID: <1.5.4.32.19970417192042.0068e12c@ic.waseca.mn.us>

Wow it happened fast, The Cascade is sold

Thanks for all that have inquired.

73's Denton

Denton K. Larson dlarson@ic.waseca.mn.us

WB0ZUR QRP-L #414 QRP ARCI #9116 NORCAL #1563

Life Member ARRL  
Waseca, Minnesota USA

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: John Yarbrough <jyarbrog@radia1.com>  
Subject: [17523] Code-No Code  
Message-ID: <1.5.4.32.19970416232754.006dfc28@radia1.com>

I just want to add one thought to this subject. I know that the code requirement kept me out of ham radio for years because I thought I just couldn't do it. One year I decided that I was going to give it the best run I could. I got to 5WPM in 2 weeks and to 13 WPM after about 150 CW contacts on the novice bands. So I'm convinced that if a person wants it bad enough and can put the negatives out of their mind; they CAN do it.

My biggest concern about is that if no-code becomes the law of the land, the CW portions of the Amateur Bands will go away. They'll be taken over by digital and Sideband. THAT would be the biggest crime of all.

Cheers es Beers, JOHN KR4RO

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: k5vp@earthlink.net (Kevin Potter)  
Subject: [17529] code/no code, my \$.02  
Message-ID: <v01540b00af7ac1a9241d@[206.250.111.205]>

I've read this group thoroughly the last few months. I enjoy it! Given the chance now, Here's are my views on 'the code thing'.

Yes, I worked hard 20 years ago to get my extra class license. The code was not fun, at first. But, I'm not a diehard pro-coder. Why? Because things change. Years ago Coke was in a bottle for a dime. Now it's in a can, for about 60 cents. When I first started driving gas was \$.35/gal. Now it's around a \$1.30. Heck, the code test was a solid one minute copy & transmit to an FCC examiner 25 years ago.

Code is fun but it is not a way of life. Any ham emergency communications are usually set up with an emergency generator & a rig of SSB or FM capability. If I was in a real bind, I doubt if I could fix my damaged xcer & transmit using a screwdriver, if my keyer was broken, in a timely manner.

There are so many teens headed to a technical career with an interest in hamming & that wonder what they would get if they learned the code. They don't see it as a needed learning skill & it 's hard to prove it is a needed skill today.

We, on the other hand, may get a new mode or modes on the HF band that would solve the potential crowding while still enjoying the characteristics of the band from one of these potential new hams, if the code requirement was changed. It's been 30 years since SSB replaced AM phone. Aren't we overdue for an improvement over SSB? BTW, was there a big fuss when everyone went SSB from AM?

I tend to agree with some, there will be a change. Unfortunately, it will not be at a pace anyone will like. I kind of thing the art of CW will be for the artists. Probably, next to the glassblowing booth at Disneyland.

In your responses, please remember I transmit CW almost exclusively. I just believe things will change & the decision will probably be made outside of the hamming community.

Flame gear on,

Kevin

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [17553] Compare paddles, please...  
Message-ID: <335cac1c.18052860@smtp.usit.net>

I have a set of Bencher (BY-1) paddles. They are old, clean, but very used. The mechanical aspects are getting sloppy, and the paddles themselves are slightly loose on the rivets (enough to be really annoying).

I saw a Vibroplex Brass Racer, and (for the minute and a half I got to play with it) enjoyed the magnetic action. I do have reservations as to how much I'd enjoy it over time ...

These are the only two in my price range, and I'd appreciate guidance on how people feel about them. I can't afford a Jones Key, or much less a Schurr ...

I was at the Tupelo (Mississippi, home of Elvis and his ghost -- QTTF site?) hamfest and saw the newly released MFJ paddles. They are Bencher clones, except the center piece is square instead of round. Anybody else used them? In a pinch, and for the money (list at \$46), I'll probably go with the MFJ should the Brass Racer get some negative comments from the experienced CW ops of the group.

Thanks for your input!

72 es 73 de=20  
Marty, KM7W

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
~~~~~

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "rohre" <rohre@arlut.utexas.edu>  
Subject: [17583] Digest instructions rcvd; Thanks!  
Message-ID: <n1350850136.54791@msmailgw1.arlut.utexas.edu>

Thanks to Jim and Charles, and the group. I have the instructions for retrieving my missing Digest 697 from the archives!

Great group!!

Thanks for the bandwidth!  
Stuart K5KVH

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: kh6b@juno.com (Dean W Manley)  
Subject: [17596] Dummy load  
Message-ID: <19970417.061130.5391.3.kh6b@juno.com>

Hello from the land of Aloha. Keith, you wrote:

How does the load perform in the upper HF range, say on 12 & 10 Meters, or for that matter, on the lower VHF range such as 6 & 2 Meters?

I have looked at the resistors, and just haven't gotten around to buying 6 of them yet..

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, 100% QRP  
Tech Specialist (ARRL/WNY), ARRL Life Member,  
Trustee, KB2YTW/B 10 Mtr QRPP Beacon (250 mW @ 28.2870 MHz)  
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"  
Packet - wb2vuo@w2im.#wny.ny.usa.noam \*\*\* Email - wb2vuo@juno.com  
SnailMail - CBA \*\*\* Phone - 716.494.1239

I've used the 6-resistor combo only on hf. It works fb, but have not tested it for bandwidth/reactances, etc into the vhf range. I've using the resistors on 160-10m for several years and only suggested them as readily available.  
For vhf/uhf and other critical situations, better plan on the "real thing."

73 and Aloha, Dean Manley KH6B  
ARRL Life Member, HI Chapter QCWA,  
ARCI 6257, QRP-L 1032, HI-QRP 1, NorCal ????,  
BK29KP Hilo, Hawaii  
kh6b@juno.com

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: clifton w sikes <csikes@brightok.net>  
Subject: [17565] Embedded Research...Thanks  
Message-ID: <199704171236.HAA27294@cowboy.brightok.net>

I received a TiCK keyer kit in the mail yesterday. Thank you Gary and Brad, and a big thank you to all the Fox Hunt prize donors.

This is a cool little keyer! The board is 1"x1" approximately, and would fit into any rig.

Thanks to all the Foxii, and our leader Chuck! This just might catch on :-) !!!!

72, Clif

Clifton Sikes

AB5UA  
Earlsboro,Ok.

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997

From: "Robert D. Haslach" <rhaslach@CapAccess.org>  
Subject: [17579] FS 450SAT etc 3rd price reduction!  
Message-ID: <Pine.SUN.3.91-FP.970417105441.8814A-1000000@cap1.capaccess.org>

need a new rig. XYL won't let one in w/o one going out!  
So ... 450SAT, mike, manual, narrow CW filter, PS and a 49-er! (this hurts!) and a free Altoids tin.  
There - the price is now \$900, shipped to lower 48.

Regards, N3FRT, WDC  
Robert D. Haslach  
Bye

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "Robert D. Haslach" <rhaslach@CapAccess.org>  
Subject: [17612] FS: 49-er ... and other stuff  
Message-ID: <Pine.SUN.3.91-FP.970417141630.12841A@cap1.capaccess.org>

the other stuff is my 450SAT with narrow CW filter, mike, manuals, and 20  
amp PS  
\$900 shipped to lower 48  
Regards, N3FRT, WDC  
Robert D. Haslach  
Bye

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: buhyoff@vt.edu (Greg Buhyoff)  
Subject: [17563] FS: FT-840 \*\*\*\*\* SOLD \*\*\*\*\*  
Message-ID: <v01540b01af7baac0a895@[128.173.78.57]>

The FT-840 is sold.

Thanks,  
Greg K2UM

=====  
Greg Buhyoff  
Julian N. Cheatham Professor



Virginia Polytechnic Institute and State University  
Blacksburg, Virginia 24061

Office Phone: 540-231-5148  
Fax: 540-231-3698  
E-mail: Buhyoff@vt.edu

=====

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>  
Subject: [17608] FS: HW-8, HW-9  
Message-ID: <Roam.SIMC.2.0.4.861297664.22128.myers@bigboy>

Ivan, N6PQB, does not have net access and has informed me of the availability of:

- \* HW-8 and matching Heath power supply, in good to excellent condition for \$150 obo + shipping.
- \* HW-9 and matching Heath SWR meter, good+ condition, no WARC bands installed, recently checked for adjustment. Asking \$325 obo + shipping.

Contact Ivan at 805-946-8847, weekends and MWF evenings (5p-9p PDT) if interested.

Dana K6JQ

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: buhyoff@vt.edu (Greg Buhyoff)  
Subject: [17605] FS:FM board for FT-840  
Message-ID: <v01540b0eaf7bfa1d4ebc@[128.173.78.57]>

I have an FM board for the FT-840. It is a plug in affair. Model FM-747. I will ship it UPS for \$40. Please E-mail me at Buhyoff@vt.edu if interested.

Thanks, Greg K2UM

=====  
Greg Buhyoff  
Julian N. Cheatham Professor  
Virginia Polytechnic Institute and State University  
Blacksburg, Virginia 24061

Office Phone: 540-231-5148  
Fax: 540-231-3698  
E-mail: Buhyoff@vt.edu

=====

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "Gregory J. Buhyoff" <buhyoff@vt.edu>  
Subject: [17560] FS:FT-840 -- lower price  
Message-ID: <199704170853.EAA01768@sable.cc.vt.edu>

I am reposting this with a lower price to reflect the current retail pricing due to a "Yaesu \$100 coupon".

Yaesu FT-840 with optional 500 HZ filter and FM board installed. Mint condition. Original owner. Purchased December 1996. Serial Number 6L260347. Perfect both cosmetically and electronically. Box, manual, hand mic and power cord. \$1000 new with options. Will ship UPS for \$550

Contact me at Buhyoff@vt.edu or call or call 540-231-5148 (7am -3pm eastern time, weekdays) or

540-951-4097 (home) between 4 and 9PM (eastern time).

Thanks,

Greg K2UM

Gregory J. Buhyoff  
Julian Cheatham Professor  
Virginia Polytechnic Institute and State University  
Blacksburg, Virginia 24061

Phone: 540-231-5148

E-mail: Buhyoff@vt.edu

FAX: 540-231-3698

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Kr0i1@aol.com  
Subject: [17626] Harleys, MENSA, etc.  
Message-ID: <970417163718\_-500048602@emout13.mail.aol.com>

Re WD4ET's comments -

Now I know I'm getting old....my Harleys had foot  
clutch, tank-mounted shifts and pre-Hydraglide  
springing....hi. They were considered sensible after  
my WWII surplus Indian Scout with a "suicide" clutch.

72 es 73 de Mac KR0I

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: ka7you@juno.com  
Subject: [17616] Index Labs/SGC packet delivered  
Message-ID: <19970417.104513.6879.8.KA7YOU@juno.com>

Well, wednesday I delivered the combined packet of Pro/Con Gripes Kudos Questions Thanks etc from the QRP-L List to Mr Kennedy at SGC. I didn't ask to talk with him, nor was it offered. I was just the delivery person.

There were about forty pages. Hopefully some of you will receive some sort of response.

7 3,

Rod Johnson KA7YOU CN97AK near Issaquah, Wa. 160M thru 1296 MHz  
NWQRP#120 ARCI#7251  
QRP-L#844

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: jsm@deepcove.com (Steve McDonald)  
Subject: [17556] JANUARY '97 QRP QUARTERLY  
Message-ID: <199704170528.WAA19344@freya.van.hookup.net>

Would anyone happen to have an extra copy of the January Quarterly that they could part with? My re-newal has taken place with the APRIL issue and the Jan issue would make the 97 set complete (eventually!)

Steve / VE7SL

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: ji3m@maxwell.com (James R. Duffey)  
Subject: [17582] Ladder Line Standoffs and other Antenna Tidbits  
Message-ID: <v02130508af7bdd110961@[192.31.66.229]>

Ron - You have discovered one of the problems with ladder line, that is, it can be a pain to handle properly (or improperly for that matter).

"Even though the feed line is only about 15 feet long, it whips around pretty vigorously in any wind."

Eventually one or both of the wires in the feed line will break and you will have a single wire antenna. You will know this as your antenna tuning will change substantially on one or more bands. Performance is almost always worse.

"Unless someone has some brilliant ideas for standoffs that would mount on the mast and tower and stabilize the feed line? I don't think regular television twin lead standoffs would support the 450-ohm ladder line, but I may be wrong?"

No you are right. I tried to use TV standoffs, but you must nearly destroy them to use them and it is nearly impossible to mount the 450 Ohm ladder line in them without putting a severe bump in the line.

What I did is to make my own standoffs out of PVC pipe and cable ties;

1. Cut the PVC into 4 to 6 inch sections. I suggest using the gray PVC pipe that is sold for electrical conduit. It is designed to be used outdoors and is supposed to be resistant to UV. The smallest diameter, which is a half inch is adequate.
2. Drill holes the size of the cable ties straight through the conduit on both end. The holes in one end should be oriented 90 degrees from the holes in the other end.
3. Use the cable tie to secure the PVC through the holes on one end to your mast. I think you can get cable ties for outdoor use that are UV resistant as well. You may wish to curve the PVC end to match the mast, depending on the diameter of the mast.
4. Use the holes in the other end of the PVC to attach the cable to the line. Loop the tie from one window to the other and through the holes in the PVC.
5. The standoffs should be mounted every 2 feet or so. You may notice some change in antenna tuning during wet weather, but it should be less than the changes when the wind blows.

If you are installing new ladder line you may wish to give it a coat of wax (normal silicon based car wax will work) to reduce weathering effects.

If your new configuration is an inverted Vee you may wish to change it to one or more parallel or multiband dipoles. The performance of an inverted Vee longer than a half wavelength is generally poorer than an inverted Vee half wavelength dipole at the same height. See the article by Belrose on the G5RV in Antenna Compendium 4.

It is easy to make a parallel dipole consisting of 80, 40, 20, and 10 M dipoles. Orient the 20 M and 10 M sections so you get radiation in an interesting direction, feed it with good coax, RG-213 or better, and you should be happier with it than with the ladder line fed dipole.

You could use separate trapped dipoles for 15M and the WARC bands, or you may try the closely coupled resonator technique described in Antenna Compendium 5.

If you put a 20 KOhm to 50 KOhm resistor across the terminals of the antenna you will be able to use an ohm meter to tell whether or not you have a problem with the feed line or antenna at a later date.

Good Luck. - Duffey KK6MC/5

James R Duffey KK6MC/5 DM65  
30 Casa Loma Road  
Cedar Crest, NM 87008

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>  
Subject: [17532] LDG group purchase tuners SHIPPED!!!  
Message-ID: <Pine.3.89.9704162013.B26936-01000000@w3eax.umd.edu>

To all of you who ordered one, they have been received, labelled, and shipped!

Three of 'em went via the Post Office because UPS charges a fortune for such shipments. The ones going to the lower 48 states went via UPS.

To estimate your ETA:

PA, NJ, DE, WV, VA - Tomorrow  
Ohio valley, to New England, to SC - Friday  
Anything else EAST of the Mississippi - Monday  
Denver, Dallas, Dakotas - Tuesday  
Everyone else - Wednesday/Thursday

If yours is more than a day late, let me know IMMEDIATELY.

\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
\*\*\* 6m 75 grids worked on 8 watts \*\*\* HF 140 cfmd \* QRP-L #147 \*\*\*  
\*\* QRP ARCI #9054 \*\* DXCC/WAS/WAC \*\*\* 100% dipole powered HF/6m \*\*  
\* 301-549-1022 h / 301-982-1015 w \*\*\* 145.490- 147.225+ PL 156.7 \*

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)

Subject: [17629] Lightning

Message-ID: <9704172105.AA24225@krypton.nmr.Hawaii.Edu>

Air has a breakdown voltage of roughly 25,000 volts per inch, but this can change dramatically with normal swings in humidity. 1,000 volts per millimeter is not a bad guess, however.

A tall object that is grounded such as a mast or a lightning rod on a building can be expected to project around it a "cone of protection" in which it will be the favored point of intercept for a lightning strike. This cone has about a 30 degree apex angle.

However, a lightning strike is massive RF at a mean frequency of about 2.5 Mhz with hundreds or thousands of amps of RF current. It will inductively couple to metal objects around its path to ground. Destructive electrical flows can be created in objects well away from the thing that actually was hit.

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997

From: Jeff Casey <WB5GWB@sprynet.com>

Subject: [17590] Long Island QRP Meeting this Saturday

Message-ID: <199704171546.IAA10692@m7.sprynet.com>

ATTENTION LONG ISLAND, NEW YORK CITY AREA, NJ, AND CT QRPers:

The Long Island QRP Club will be getting together for a " Meetin' & Eatin' " this Saturday, April 19, 11:15am at Nicky's of Centerport, 6 Little Neck Road, Centerport, Long Island, NY.

Let me know if you need directions by car, train, ferry boat, or turtleback.

If you're in the vicinity, you won't want to miss Elmar's (KB2VTN) 15 minutes of fame -- he'll attempt to build a working transmitter in 15 minutes at this meeting! Let me tell you, this guy's got a hot hand and just may succeed! If you can't be there, you can watch for live action video (well, not really "live") of his heroic effort on the LIQRP web page:

<http://www.hamtrader.com/liqrp/index.htm>

Hope to see you this Saturday!!!

72 & 73,  
Jeff

Jeff T. Casey, WB5GWB

"The Long Island QRP Club -- Low Power Amateur Radio at its FUNest"

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Steve Hideg <Steve.Hideg.1@nd.edu>  
Subject: [17552] More International Marconi Day  
Message-ID: <v03020901af7b4e1aeb71@[129.74.35.26]>

Folks,

Here's some more info on International Marconi Day:

Hello, fellow HF operators!

This Saturday, April 19 1997, several World wide stations will be operating International Marconi Day. This special event is here to celebrate the birth of Marconi, the father of radio. The event starts on 0000 GMT April 19, and runs through the 24 hour period ending on 2359 GMT April 20. QSL cards will be sent to those who make contact with the stations signing /IMD, and certificates will be sent to those who make many QSOs with IMD stations. This event will start on Friday night local for North American stations, and run through Saturday.

The frequencies will be 7037 KHz and 10121 KHz for W6KB/IMD. This station will be transmitting from Bolinas, California with a 1959 Collins 30K-5 running 300 watts output on 40, and 200 on 30. The transmitting antenna will be a 6 MHz dipole 80 feet above the coastal cliff. The cliff itself is 150 feet above the Pacific Ocean. For receiving, we will be 17 miles north of Bolinas, in Point Reyes, California. We will key the transmitter remotely for perfect QSK. The site at Point Reyes employs multiple top-notch commercial grade WJ receivers and many directive antennas pointing in a multitude of directions. An identical site will be on the East coast, in Cape Cod, Massachusetts. We will control the East Coast site also via remote control, thanks to T1 lines. This affords us complete reception of all signals.

Because of this, all stations are welcome. DX stations and QRPppppp operators, this may be your golden opportunity! Last year, one of our operators worked a ham in Colorado running 250 mW from a 49er Transceiver. All QSOs welcome.

Thanks for reading our announcement, and we hope to hear you out there on our frequencies.



Adam McLaughlin, KD6POC@jps.net  
Adam McLaughlin KD6POC  
QRG: 7037 KHz  
kd6poc@jps.net OR kd6poc@qsl.net  
<http://www.jps.net/jmclaugh>

---

Steve Hideg, N8HSC/9 QRP-L #136  
Check out the Internet QRP Club's site on the WorldWide Web:  
<<http://qrp.cc.nd.edu/QRP-L/>>

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
Subject: [17569] Morse Preservation  
Message-ID: <199704171328.0AA28575@chuck.dallas.sgi.com>

Gang,

There already exists an International Morse Preservation Society called  
CW Fists Club.

Membership is \$15/year to Nancy Kott, WZ8C, PO Box 47, Hadley, MI.

Online web page at <http://n9nvv.qrp.com/~fists/>

FYI

FISTS #1716

Support any organization that helps you.

Also to add to the flame war. Get on the air and practice your  
Morse. Use it or lose it.

>From the biggest wimp of them all.

dit dit  
Chuck Adams K5FO CP-60 adams@sgi.com  
[http://reality.sgi.com/employees/adams\\_dallas/](http://reality.sgi.com/employees/adams_dallas/)

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "Len W. Tough" <len@infinet.com>  
Subject: [17534] NEW KIT STATUS REPORT  
Message-ID: <199704170204.WAA01298@mail1.infinet.com>

Regarding the Columbus QRP Club's offering of the MRX-40 (mini 40m receiver kit):

S000000, if you have ordered an MRX-40, we have good news for you. We are expecting shipment starting on Tuesday the 22nd!!! Unbelievable that this kit has gone so smoothly. GREAT JOB STEVE!

Best 73  
Len  
W8VQ

QRP Homebrew Rigs = OHR 400, S&S TAC-1, NORCAL 38S, SWL GM-15,

Kanga Any Band Xmitter, Bare Essential 50c5 Xmitter, Ten Tec 20m

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From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "Vic Blackwell" <blackwel@tlcnet.muohio.edu>  
Subject: [17524] Open line lightning protection  
Message-ID: <9704162358.AA29596@tlcnet.muohio.edu>

RE: 450 ohm feed line (lightning protection)

Hello Gang,

Any suggestion on how to make a connection device to put in open line for outside the building connect/disconnect? I do not like leaving my feed line connected while I am away from shack. My location is on top of a hill and lightning strikes are a rather common occurrence.

I have used RS banana plugs and sockets soldered in place, but it is common for it to fail. Just wondering if anyone has a more satisfactory solution.

de vic ad8k . . .

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>  
Subject: [17606] QRP++ Spoken For  
Message-ID: <970417170426\_70511.3041\_IHD87-4@CompuServe.COM>

Gang:

The QRP++ I recently listed has been spoken for. Thanks to all who inquired about it. Will keep all other offers received on a listing. Thanks for your interest.

BTW, am not selling all my QRP+/QRP++ rigs! Still have a couple in the shack.

And I am still receiving e-mail from guys interested in including their serial numbers for QRP+ and QRP++ on my informal listing. Nothing has

been finally decided on where such a list should be housed, but for now that is where it is.

72/73,

--Doc/K0EVZ qrp-1 861 norcal ?? cqz 414 mn-qrp 19 nj-qrp 69 ak/qrp 139

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: KG0ZT <pugrad@millcomm.com>  
Subject: [17614] QRPTTF - Mystery Cave (Minnesota)  
Message-ID: <Pine.GS0.3.96.970417132311.27617A-100000@midas.millcomm.com>

Be forewarned that during QRPTTF on April 26th in addition to bats, ghosts, and other assorted "weird" happenings there will be strange RF emissions emanating from Mystery Cave State Park in South Eastern Minnesota. This is a new state park, quite remote, and with very few amenities. There are over 12 miles of interconnected passages in the caves which primarily run east and west over an area of more than 2 miles.

Operating as KG0ZT, Dave (callsign owner) and Tony, AA0SM, will brave both the elements here in "tropical" SE MN and local superstitions and operate from from the grounds near the cave entrance.

Primary operating mode will be CW but we may also attempt SSB contacts. Our antenna farm includes a home-brew 102 foot G5RV fed with ladderline, PVC Gusher dipole / inverted vee (multi-band) coax fed and supported by a 20 / 30 PVC mast, and a "stock" SLV.

We are creating a "limited edition" QSL card for this event... hope we can send you one.

BTW... This past weekend I visited the area, made tentative plans, and met with the park manager to discuss our desires, inquire about any restrictions, and ask permission to use the facility. They are looking forward to us using the facility, and talking with other park visitors who may come over to see what we are doing. A win-win situation for all!!

Like low-impact campers, we will leave only footprints and take only memories...

72 / 73 Dave - KG0ZT

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\*  
\* 72 / 73 KG0ZT Dave Cary Rochester, MN \*  
\* ARRL VE QRP-L # 979 \*  
\*  
\* pugrad@millcomm.com \*  
\*  
\*\*\*\*\*

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Kory Hamzeh <kory@avatar.com>  
Subject: [17618] Rainbow tuner qestions  
Message-ID: <Pine.BSI.3.91.970417114413.5751B-100000@avatar.avatar.com>

Hi Everyone,

I have two questions (I might get flamed for these):

1. What part of the rainbow tuner makes it SWR absorbing? How does it work?
2. How much power can the SWR meter portion of the rainbow tuner handle before it gets fried? I would like to build the display in an existing tuner that I have, but I would like it to be able to handle 25 to 50 watts. What component would I need to change to increase the wattage?

Thanks.  
Kory  
AC6RN

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Steve Hideg <Steve.Hideg.1@nd.edu>  
Subject: [17617] REGISTER YOUR WEB PAGE  
Message-ID: <v0302091caf7c1de0e18f@[129.74.35.16]>

Greetings.

More and more Internet QRP Club members are developing web pages these days. We now have a central area for people to get links to these various pages on the Internet QRP Club Web Site.

You can get to the Internet QRP Club Member Web Page Registry from the



Message-ID: <199704170458.AAA100050@nss2.CC.Lehigh.EDU>

Gang;

There is an issue of balance that should be addressed. CW must survive... It is the foundation (viz alphabet) of wireless communications. But... we must be good spectrum citizens and treat others equitably.

Consider:

I love CW... It "IS" here to stay... but life goes on.

A clear channel CW signal can be processed easily in a 100 Hz bandwidth.

A clear channel SSB signal can be processed easily in a 3 KHz bandwidth.

A clear channel FM signal can be processed easily in a 5 KHz bandwidth.

There are a disproportionately small number of hams using CW...

There are a disproportionately large number of hams using one or more voice modes... including those of us who use CW... and defend it.

We are honorable members of our institution and don't abuse this one, but CW "IS" a permissible mode over the entire band.

2 meters has the least percentage of spectrum allocated to CW (1000 channels) while FM enjoys 640 channels... and we all know how congested we keep those CW channels on 2 :-)

50 percent of 40 and 80 meters is allocated to CW (i.e. 15 times as many CW channels as SSB channels)

100 percent of 30 meters is allocated to CW (albeit only 500 channels)

Nearly 43 percent of 20 meters is allocated to CW

and so on and so forth.... you get the picture.

We "share" the CW band with the digital modes... OK... but our "fair share" of 80 meters is 34 KHz given that exactly half of hamdom are regular users of CW. Us Extra's alone have 25 KHz set aside for our exclusive use. But then we all know that Extra's only use CW :-)

One of the reasons I enjoy CW so much is for the many "clear channel" QSO's I enjoy... an artifact of an abundance of bandwidth.

I have a difficult time formulating an intellectual argument for the

preservation of CW spectrum... We just ain't usin' spark gaps these days. I too am annoyed with some of the foreign SSB QRM on our favorite calling freq. I too am annoyed by some of the digital clammer that ignores our presence and jams our nets... But... do we really need all the spectrum we have?

It seems to me that much of the world (in particular those whom we bash for QRM'ing us) may be more aligned to a realistic balance of resources.

Is the FCC simply throwing up their hands in disgust at the ARRL and giving in to our childish bickering? Is their intent to give in to commercial interests? Are they attempting to better align the U.S. allocations with that of the rest of the world?

I would hate to think the first two and love to believe the last. Realistically, they are likely seeking something in the middle and driven by a multitude of forces not the least of which is our loud bantering via the ARRL.

Following the same line of questioning... Is the ARRL doing a good job? Are they really attempting to help the amateur radio community or are they simply attempting to appease their membership? On the other side of the fence; are they trying to balance their loyalty between advertisers and dues paying members in order to remain solvent? Realize that whatever they do... to or for us... requires money... from somewhere.

We are all smart people when properly presented with the facts. We have been given the freedom to manage our spectrum allocations with minimal intervention of our government. The ARRL has been instrumental in helping us as a collective group maintain fairness and equity while encouraging incentives to improve our skills. They also have a strong voice at the FCC.

In the early days of radio there were but two modes... CW with it's two colors (Sparks and carriers) and Voice with it's two colors (AM and FM)... Both shared an equal following and both required much spectrum... for many reasons.

Radio today consists of a plethora of modes (CW, AM, FM, DSB, USB, LSB, RTTY, Packet, AMTOR, PACTOR, SSTV, FSTV, FAX, etc.)... spanning at least as many modulation schemes...

And spectrum access has itself increased... to help carry the extra load from Longwaves... to Shortwaves... to millimeter waves... to microwaves.

Our enemy... aka commercial interests... have done an extraordinary job of improving not only the performance of communications equipment, but have been able to put much of it within reach of the average American's budget. We don't have CW modes on our FM rigs because there has been no outcry for such a "USELESS?" feature. They truly are a greedy bunch and only build stuff for



folks who want to buy it... surprised?

And all this progress has been made while leaving those of us who prefer to play in the sandbox all day to go about our merry little way... being perhaps only a little insensitive to our feelings when it's time to do a little housekeeping.

We have been richly blessed that not only the FCC tolerates us and gives in to our outcries... but those other (more or less progressive) countries who have been adjusting to the changing environment are also tolerating our petty resistance to change. We are QRM to them as well.

As long as CW remains a valid mode everywhere, I fail to see any need to bicker with the spectrum hogs. I do see a need to coordinate with them such that we all can enjoy our own special mode without interference from those who could care less. Give me my fair share of spectrum and make it off limits to all others and I am a happy camper... I too will honor your turf.

I have been a ham for nearly 34 years and have operated 40 meters CW at least 80 percent of my operating time. Since I am a professional (or at least this is how I am paid)... I work days and my operating time is after dark. I have never seen a need to move away from 40 meters because of QRM from the foreign broadcast stations. There has always been plenty of room for a good rag chew... and I never felt I was being crowded out... still don't. Yes I said rag chews... so I am rarely found in that lower 25 KHz allocation that the DX hounds play in. I don't miss it at all. I'm glad it's there though and I know I can go there for a rag chew if I wanted to spend some time trying to slow one of the folks there enough to say more than a word or two :-)

When we start putting on the gloves and set out to fight for our rights, we might find we could be a bit more effective if we offered up some well thought out solution alternatives rather than flooding the ARRL (who's best interest really is to preserve amateur radio) and the FCC with hate mail. If we can accept that we have a 30 to 1 bandwidth advantage, we should be able to settle for most any allocation that is greater than this.

And for being such reasonable people as well as good sports about this, we get an additional 14.8 dB advantage... in reduced noise. We can enjoy the same SNR equivalent to a 1.5Kw PEP SSB link with a mere 50 watts. Conversely; we can run a full KW and communicate with a 13 dB SNR across a link that a 1.5 KW station gets buried in noise. Thus... even when we are completely fair on spectrum allocation... we win.

Finally... Are there really as many CW operators on the air as there are on voice? The answer is a resounding absolutely :-) If this weren't true... if there were fewer CW operators... we might need even less spectrum to be fair.

Use and enjoy your hobby... Use it or lose it. Love it or leave it.  
Let the rest of the folks do the same and we will all come out winners.

72

Gary, N3GO Raleigh, NC

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "J. Skalski" <jskalski@acsu.buffalo.edu>  
Subject: [17630] specs on mbr7535 diode?  
Message-ID: <Pine.GS0.3.95.970417175540.22467A-1000000@destrier.acsu.buffalo.edu>

Does anyone know the voltage and current rating for the Motorola  
stud mount diode MBR7535?

73,

Jim N2GO  
The Buffalo QRP CONNECTION  
ARCI #9013 QRP-L #381  
Life member ARRL  
jskalski@acsu.Buffalo.EDU

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: bcutter@teal.csn.net (Bob Cutter)  
Subject: [17598] Spread Spectrum  
Message-ID: <199704171632.KAA16892@mailrelay.csn.net>

I think I know what it is but could someone point me to a general  
introduction to the mode.

72, Bob KI0G

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: PDouglas12@aol.com  
Subject: [17527] Ten Tec T-Kit 1203 Dummy load Review (long, sorry)  
Message-ID: <970416204639\_-899575318@emout12.mail.aol.com>

Hi Gang,

It is amazing that there are so many posts about making and using dummy loads here on the list. After all, a dummy load is only a 50 ohm resistor with provision to assure that there is as little as possible stray inductance and capacitance. Lots of folks mess with pc boards and resistors to make up the necessary resistance and then hope that all that wire and pc copper don't mess up the flat 50 ohm impedance at RF.

OK, well I have a question for you. Why are you all doing this? Haven't you seen the TT 1203 dummy load kit? For 24 bucks (plus shipping) you can buy one and put it together in about a half-hour. And the Ten Tec is good through VHF at least, and it will take your QRP rig's output all year without showing outward signs of even noticing. In fact it will take your 100 watt rig for many minutes before you have to worry about it. It is rated for 300 watts for a half a minute, though frankly you won't ever need that, will you?

If you are really lazy, you can buy the #239 factory built dummy load (same thing except you won't have to annoy yourself with the drawings and construction manual which was vaguely reminiscent of the last time I put a gas grill together--annoying isn't it?--but you are ham, and that means if the store wants 30 bucks to screw all the little dohickeys together to make a BBQ, you will save the money and spend all day Sunday with the ratchet driver, racing to get the grill done before the company comes--not to mention the deep cut on your palm from the sharp metal edges, the trip to the ER to make sure there's no tendon damage--the ER bill not being counted against the 30 savings--but I digress...) In fact, the smart deal may just be the ready made model at \$27.95. For four bucks you get them at Ten Tec to do it.

Now, I am not saying the TT kit took nearly as long as the BBQ did. But it was a bit of a bother, and it is the kind of thing that you won't learn a whole lot by studying the schematic, for goodness sakes. So other things being equal, I would have preferred to buy it ready made. But the folks at TT have a bit of a curve in store for you. Suppose you want to buy some of their famous, neat, empty project cases. Cool, they say, but we have a two tiered price system. If you buy a TT KIT, we will charge you about 40% less when you also order any number of TT cases. But, say the folks at Ten Tec, we won't give you that deal on our swell cases if you buy a built thingy like the dummy load. I thought that that was pretty dumb, and told them so when I called to order my dummy load. Them's the rules, the polite fella on the phone said. So, despite myself, and because I did want to buy some cases (I can't keep driving Chuck Adams crazy making him send me his last spares--thanks for all the others though, Chuck!) I wound up buying the kit version of the dummy load so I could get in on the deal on some cases. Now for the review:

I like it, although it does nothing whatsoever to return my affection, which,

I suppose is the point. Like a pet rock, it has only one trick. It sits.

It is 50 ohms. It is fiddly and annoying to build, but the pain only lasts about a half hour or so. It is nice and small. It has a UHF (PL239 type) connector on one end. When I transmit into it, the power/SWR meter shows that there is forward power and nothing significant coming back out of it, and the dummy load just sits there, as there aren't any controls to adjust or dials on it. In short, it is a nearly perfect black hole for RF. Oh, and it has sharp edges; but I didn't cut myself on it, thank you. That was the grill.

72,

Preston WJ2V

Oh, and before you ask, of course I have had a dummy load in the shack all these years. You think I'm that much of a lid? I had a Heath Cantenna which I had filled to the brim years ago with mineral oil (the kind that old folks drink to help them stay "regular"; no PCBs for me!). I recently noticed a drastic change in its behavior, and went to investigate. When I picked it up, I discovered a leak in the rusty bottom. Ugh! What a mess. Ruined the shack carpet back there deep under one operating desk. (Ah, nobody will see anyway--who comes in there? Not the XYL, that's for sure.) So, after the cleanup, I realized I didn't have a dummy load anymore. And I swore I'd never use an oilcan type load again, at least not in the shack. Thus, the nice, small, dry, quiet, uncomplaining, downright dull, Ten Tec dummy load was just the ticket.

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997

From: "Tiwari, Sameer" <stiwari@cwonders.com>

Subject: [17613] Trade or buy Oscilloscope

Message-ID: <1235DA3001102E00@msgw.cwonders.com>

Would love to trade it for QRP equipment and/or other measuring instruments.

One scope remaining

SS5702 Jiwatsu,  
Dual Trace,  
DC-20MHz,  
4" X 3" blue display,  
Backlit graticule,  
20 V to 1mV settings,  
with calibrate settings,

bought used, works fine,  
nice.

If no trade then I would like to get \$200.00 for one of them.

If you would like to make a reasonable offer  
reply via email only, stiwari@cwonders.com

Tnx  
KF6HST  
Sameer

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Denton Larson <dlarson@ic.waseca.mn.us>  
Subject: [17587] Unbuilt Cascade F.S.  
Message-ID: <1.5.4.32.19970417153320.00a98a0c@ic.waseca.mn.us>

I have an unbuilt Cascade for sale. The parts bags and the PC Boards remain sealed as they came from NORCAL. I had hoped to build this kit but other priorities and new intrests have gotten in the way.

I would like \$175.00 and I'll ship.

I have responded to a few on the list that were looking, but no follow ups.

73's Denton Larson WB0ZUR  
Denton K. Larson dlarson@ic.waseca.mn.us  
WB0ZUR QRP-L #414 QRP ARCI #9116 NORCAL #1563  
Life Member ARRL  
Waseca, Minnesota USA

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Denton Larson <dlarson@ic.waseca.mn.us>  
Subject: [17588] Unbuilt Cascade F.S.  
Message-ID: <1.5.4.32.19970417153324.00a5ae94@ic.waseca.mn.us>

I have an unbuilt Cascade for sale. The parts bags and the PC Boards remain sealed as they came from NORCAL. I had hoped to build this kit but other priorities and new intrests have gotten in the way.

I would like \$175.00 and I'll ship.

I have responded to a few on the list that were looking, but no follow ups.  
Please EMail me direct or if you wish you can call me @ 507-835-5718

73's Denton Larson WB0ZUR  
Denton K. Larson dlarson@ic.waseca.mn.us  
WB0ZUR QRP-L #414 QRP ARCI #9116 NORCAL #1563  
Life Member ARRL  
Waseca, Minnesota USA

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "rohre" <rohre@arlut.utexas.edu>  
Subject: [17522] want: Digest 697  
Message-ID: <n1350907196.20120@msmailgw1.arlut.utexas.edu>

Hello all, Please a favor:  
Email funnies within our sight seem to have deep sixed my receipt of digest 697.

If someone could privately email it to me, or directions on retrieval from the Archives, it would be appreciated.

72,  
Stuart K5KVH  
rohre@arlut.utexas.edu

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Bernie Doehner <bad@uhf.wireless.net>  
Subject: [17528] White Mountain Transceivers  
Message-ID: <Pine.BSF.3.95.970416204741.2259A-1000000@uhf.wdc.net>

Hi Gang:

I promise it's the last time I'll ask this (I have to make up my mind someday :) )

Does anyone on this list own a White Mountain transceiver (from Small Wonder Labs) and or is anyone building one? If so, please drop me a line.

Thanks.

Bernie nu1s

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Mike Cloud <cloudm@mhsgate.meth-mem.org>  
Subject: [17570] Who Has What? QRP+ that is.  
Message-ID: <29E0553301462936@mhsgate.meth-mem.org>

Saw a posting by our German brothers regarding their QRP+ SNs. Got me thinking that it might be of some interest to know who has what, especially in the future. I am in possession of an unmodified, totally stock, QRP+ with the SN of 136. I luv it. Have absolutely no plans to modify it and outside of it's weight and cost prefer it over every other rig, qrp es otherwise.  
72/73 to all, CUL de Mike, KR4IT

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>  
Subject: [17547] WTB:Argosy 525 filters  
Message-ID: <970417030947\_70511.3041\_IHD96-2@CompuServe.COM>

Gang:

Anyone have FS the 500 hz CW and Audio CW filters for the Argosy 525?  
(Believe I have the descriptions close to correct! I'm new to all this terminology for TenTec gear.)

Also looking for the digital readout I have heard about, as this Argosy is not the 525 "D" model.

If cannot locate the readout...would like to buy the 25khz calibrator unit.

\*VERY\* interested in talking further. Please e-mail me. If you include a phone number, I will be happy to call you to discuss if necessary,

72/73,  
--Doc/K0EVZ qrp-1 861 mn-qrp 19 cqz 414 norcal nj-qrp 6/ ak/qrp 139 arrl

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "W. D. Lindsey" <70511.3041@CompuServe.COM>

Subject: [17574] Re: 30M  
Message-ID: <970417141141\_70511.3041\_IHD112-1@CompuServe.COM>

John:

QSL that! I went to 40 this morning, and path to TX was very good. Started with a guy who was running a Scout at 50 watts. When he learned I was only at 4 watts, he changed over to a Sprint, and we went right on as if nothing had happened.

So 30 is really up and down lately. OTOH the other night I heard tons of DX on it about midnight my QTH!

72/73,  
--Doc/K0EVZ qrp-l 861

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: K4AHK@ix.netcom.com  
Subject: [17562] Re: A CW class story (long!)  
Message-ID: <3355F51A.6747@ix.netcom.com>

Now guys, there's the answer to the no code problem. Quit complaining and become a teacher. Educate those that need to know. Most really \*do\* want to learn and once they do, we won't have a problem.

Bill - K4AHK

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Chris Cartwright <ccart@dns.vidtel.com>  
Subject: [17573] Re: A Favour needed please  
Message-ID: <Pine.LNX.3.93.970417091157.433C-100000@dns.vidtel.com>

On Wed, 16 Apr 1997, Tony Fishpool wrote:

> I am looking into being able to take the exams at Dayton to get a U.S.  
> licence

Tony,

I suppose you could use mine, I'll be in Dayton from Fri morning until Sun afternoon. Let me know what you need. And if they complain about it I'll just tell them you're the nanny :) Contact me via e-mail or use the phone # below, if I'm not around leave a message I'll call you back.



```
-- Chris Cartwright, Technical Engineer      |      ccart@vidtel.com
-- Phone 301.990.0735  N3XRV QRP-L  #655      |      ccart@erols.com
-- QRP WAS 13/5 (w/c)      QRP-ARCI #9271     |      http://dns.vidtel.com/~ccart
```

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
 From: Stephen John Farthing <stephen@stevef.demon.co.uk>  
 Subject: [17611] Re: Altoids : New Findings?  
 Message-ID: <i9u4WDABuYVzEwat@stevef.demon.co.uk>

In article <6pZ0rEAg0oUzEwRZ@gqrp.demon.co.uk>, George Dobbs  
 <g3rjv@gqrp.demon.co.uk> writes  
 >For those conducting serious research on Altoids:  
 >

Marks amd Spencers sell a "badge engineered" version in a fetching dark  
 green tin for 99 pence. I sent a few to Doug Hendricks last year. Out of  
 curiosity I wonder what he did with them?

--

Stephen John Farthing MBCS G0XAR  
 Melksham, Wiltshire UK  
 RSGB G-QRP 7766

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
 From: mdwatt@usit.net (Marty Watt)  
 Subject: [17544] Re: Code-No Code  
 Message-ID: <33586451.116404797@smtp.usit.net>

On Wed, 16 Apr 1997 19:27:54 -0400, John Yarbrough  
 <jyarbro@radia1.com> wrote:

>My biggest concern about is that if no-code becomes the law of the land,=  
 the  
 >CW portions of the Amateur Bands will go away. They'll be taken over by  
 >digital and Sideband. THAT would be the biggest crime of all. =20

This is truly my concern (and fear) ... can we form some sort of "CW  
 protection society", not to get involved in licensing, but to  
 preserve our allocations? Concerted effort seems in order ...

Would the charters of any of the QRP societies provide a good

vehicle for this effort? I'll pop my money to anyone who will preserve our allocations ... BTW, I'm already a member of NorCal and ARCI -- ARCI seems the ideal, but who has the time to coordinate such stuff? The League seems moderately interested, but way too wishy-washy (i.e., whichever direction the wind blows, which has advantages and disadvantages ...).

72 es 73 de=20  
Marty, KM7W

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
-----

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>  
Subject: [17557] Re: Compare paddles, please...  
Message-ID: <9704170530.AA03281@wizard.ucs.sfu.ca>

Hi Marty,

I would suggest you have a look at the Kent paddles. I don't know how much the Brass Racer goes for, but I think the price is similar.

I just got rid of my second pair of Benchers, as I am very happy with my Kents, WBL's, and G4ZPY's.

cheers, Paul  
VE7CQK  
email: paul1@wizard.ucs.sfu.ca

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [17567] Re: Compare paddles, please...  
Message-ID: <33571a5d.46282396@smtp.usit.net>

Thanks to all who have responded to my request for information on paddles and keys. I'm following up privately with a couple who recommended some other models, to get specific information on them.

On Thu, 17 Apr 1997 04:56:06 GMT, mdwatt@usit.net (Marty Watt)  
wrote:

>I was at the Tupelo (Mississippi, home of Elvis and his ghost --  
>QTTF site?) hamfest and saw the newly released MFJ paddles. They  
>are Bencher clones, except the center piece is square instead of  
>round. Anybody else used them? In a pinch, and for the money (list  
>at \$46), I'll probably go with the MFJ should the Brass Racer get  
>some negative comments from the experienced CW ops of the group.

Apparently my "hiatus" continues to cause me no end of confusion  
... the MFJs have been out for a while, I understand.

72 es 73 de=20  
Marty, KM7W

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
-----

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>  
Subject: [17607] Re: Compare paddles, please...  
Message-ID: <199704171721.NAA61939@nss2.CC.Lehigh.EDU>

Marty,

Check out the keys and paddles page from K5F0. He has pictures of many  
popular units. I personally own the Envirotronics Paddles and think they  
are great. They are nicely made by Gene, N0NLS? I can get the \*exact\* info  
if you like. Let me know.

But then again I have never used any other paddles so I cannot compare! The  
price sure is right.

[http://reality.sgi.com/employees/adams\\_dallas/page1.html](http://reality.sgi.com/employees/adams_dallas/page1.html)

72, Mark N2VPK  
Member of the Buffalo QRP Connection  
WIMPS: Qs=007 30m=7 17m=0 12m=0 States=07/00/00 DXCC=04/00/00

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: gregoire@endor.com  
Subject: [17603] Re: CW /SSB RANGE WAR  
Message-ID: <Chameleon.970417165053.GREGOIRE@Gregoire.endor.com>

On April 17 Bill Denton said:

Hi, I read your article with interest..... What you say is true, but the problem is that cw is loosing popularity fast.

-----  
Your just not looking in the right place Bill, I joined Fists, in October of 1996, my assigned no. is 2644.

The latest copy on the Keynote news letter printed this month shows the most recent no. as 3103, a net jump of 459.

Not bad for just under six months. Fists has never seen such a rapid growth in it's entire history.

As for the lack of cw ops on 17, just wait till cylce 23 heats up a little. I find it sparse durring the week too, but better on weekends when folks are not working.

My whole point in the code contorversy is this.  
We are all in the same life boat, shooting holes in my end will not add to the floatation on the other end.

Thank you for the thoughtful letter.

73

-----  
WIMPS  
12 M ST/PRV,DX      17 M ST\PRV,DX      30 M ST/PRV,DX  
00--00                      01--00                      03--00  
-----

de AA1IK,                      Lead by example.  
Ernie Gregoire

R.R. 1, Box 221,  
South Rd.  
Canaan, NH. 03741

E-mail address: gregoire@endor.com

04/17/97 16:38:30

At 06:40 PM 4/16/97 +0000, you wrote:  
couple of things confuses me about this antenna.

[illegible]

If you want to use a lo-loss resonant feeder, you can use an exact  $(n) \times (1/2)$  wave piece of ladderline and put the tuner on the xmtr end of that. Coax to the ant is far simpler for "normal" runs.

Enjoy... and let us know how you do with it. 72, =s=

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Hank Kohl <k8dd@contesting.com>  
Subject: [17555] Re: Help w/Bobtail Height  
Message-ID: <2.2.32.19970417042132.009dcc74@tir.com>

Not very far. Higher than the grass!

All vertical legs should be the same length. In my experience a tuner at the bottom of the center leg is the only way to go. I've tried coax feed at the top and it just did not tune or work as well. Hopefully the tuner is higher than the grass!

I have put up Bobtails for 80 and 40. I've never used an "exotic" radial system. 4 radials, 1/4 wave long and it worked great. Would more radials have worked? I really don't know - I used 4 radials and an 8 ft ground stake at the bottom of the center element and the antenna worked great.

[illegible]

```

>Hi Mark... re Bobtail...
>
>* all legs are the same length. The Hbk describes a coax feed to a "tuner"
>    so you can use any length of coax to reach the element, vertically
>    and/or laterally. Most Bobtails are mounted just high enuff to reach
>    the tuner in a sealed box, but you can mount it as high as you want
>    and realize lower take-off angle. Remember to anchor all of the
>    elements w/monofiliment line etc., to eliminate wind-whipping.
>
>    If you want to use a lo-loss resonant feeder, you can use an exact
>(n)x(1/2) wave piece of ladderline and put the tuner on the xmtr
>    end of that. Coax to the ant is far simpler for "normal" runs.
>
>* forget the radials... you don't need them. Bobtail is NOT a "ground-
>    mounted-vertical". Normal ground at the station is all you need.
>
>Enjoy... and let us know how you do with it. 72, =s=
>
>
>"Seab" Lyon - AA1MY
>Bethel, CT; FN-31-HJ
>ARCI#9253; QRP-L #574
>NEQRP#511; ARRL; QCWA
>
>
>
>/    Hank Kohl  K8DD      k8dd@contesting.com
>/    ARRL TS      (k8dd@tir.com)
>/    MI-QRP - Vice Pres.  QRP-ARCI - Director
>/    G-QRP   ARRL/LM    QCWA/LM    QCAO/LM

```

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
 From: Vic Rosenthal <rakefet@rakefet.com>  
 Subject: [17586] Re: Ladder Line Standoffs and other Antenna Tidbits  
 Message-ID: <33564236.4DA8@rakefet.com>

James R. Duffey wrote:

```

> No you are right. I tried to use TV standoffs, but you must nearly destroy
> them to use them and it is nearly impossible to mount the 450 Ohm ladder
> line in them without putting a severe bump in the line.

```

Here's how I use TV standoffs:

I make two small v-shaped cuts in the center web of the ladder line like this:

```
      |           |  
      >         <  
      |           |
```

Then I put a (UV-resistant) cable tie through the cuts and cinch it up loosely so it doesn't buckle the line. Finally, I use another cable tie to link the first tie to the TV standoff.

Vic K2VCO

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Peter Gerba <pgerba@crl.com>  
Subject: [17592] Re: Ladder Line Standoffs and other Antenna Tidbits  
Message-ID: <Pine.SUN.3.91.970417084035.6765A-100000@crl8.crl.com>

Hi Jim;

I've built some raydomes for the Ghz bands out of PVC. Most PVC other than the white stuff contains metal products and is unsuitable for use on the microwave bands. I don't know if this will cause trouble with balanced line. There may not be enough metal in some PVC products to worry about at HF.

pete, kn6bi

Peter Gerba  
pgerba@crl.com

On Thu, 17 Apr 1997, James R. Duffey wrote:

```
> Ron - You have discovered one of the problems with ladder line, that is, it  
> can be a pain to handle properly (or improperly for that matter).  
>  
> "Even though the feed line is only about 15 feet long, it whips around  
> pretty vigorously in any wind."  
>  
> Eventually one or both of the wires in the feed line will break and you  
> will have a single wire antenna. You will know this as your antenna tuning  
> will change substantially on one or more bands. Performance is almost  
> always worse.  
>  
> "Unless someone has some brilliant ideas for standoffs that would mount on  
> the mast and tower and stabilize the feed line? I don't think regular
```



> television twin lead standoffs would support the 450-ohm ladder line, but I  
> may be wrong?"  
>  
> No you are right. I tried to use TV standoffs, but you must nearly destroy  
> them to use them and it is nearly impossible to mount the 450 Ohm ladder  
> line in them without putting a severe bump in the line.  
>  
> What I did is to make my own standoffs out of PVC pipe and cable ties;  
>  
> 1. Cut the PVC into 4 to 6 inch sections. I suggest using the gray PVC pipe  
> that is sold for electrical conduit. It is designed to be used outdoors and  
> is supposed to be resistant to UV. The smallest diameter, which is a half  
> inch is adequate.  
>  
> 2. Drill holes the size of the cable ties straight through the conduit on  
> both end. The holes in one end should be oriented 90 degrees from the holes  
> in the other end.  
>  
> 3. Use the cable tie to secure the PVC through the holes on one end to your  
> mast. I think you can get cable ties for outdoor use that are UV resistant  
> as well. You may wish to curve the PVC end to match the mast, depending on  
> the diameter of the mast.  
>  
> 4. Use the holes in the other end of the PVC to attach the cable to the  
> line. Loop the tie from one window to the other and through the holes in the  
> PVC.  
>  
> 5. The standoffs should be mounted every 2 feet or so. You may notice some  
> change in antenna tuning during wet weather, but it should be less than the  
> changes when the wind blows.  
>  
> If you are installing new ladder line you may wish to give it a coat of wax  
> (normal silicon based car wax will work) to reduce weathering effects.  
>  
> If your new configuration is an inverted Vee you may wish to change it to  
> one or more parallel or multiband dipoles. The performance of an inverted  
> Vee longer than a half wavelength is generally poorer than an inverted Vee  
> half wavelength dipole at the same height. See the article by Belrose on  
> the G5RV in Antenna Compendium 4.  
>  
> It is easy to make a parallel dipole consisting of 80, 40, 20, and 10 M  
> dipoles. Orient the 20 M and 10 M sections so you get radiation in an  
> interesting direction, feed it with good coax, RG-213 or better, and you  
> should be happier with it than with the ladder line fed dipole.  
>  
> You could use separate trapped dipoles for 15M and the WARC bands, or you  
> may try the closely coupled resonator technique described in Antenna  
> Compendium 5.

>  
>  
> If you put a 20 KOhm to 50 KOhm resistor across the terminals of the  
> antenna you will be able to use an ohm meter to tell whether or not you  
> have a problem with the feed line or antenna at a later date.  
>  
> Good Luck. - Duffey KK6MC/5  
>  
>  
>  
>  
> James R Duffey KK6MC/5 DM65  
> 30 Casa Loma Road  
> Cedar Crest, NM 87008  
>  
>  
>  
>

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Dan Hogan <dhhogan@lightside.com>  
Subject: [17531] Re: Open line lightning protection  
Message-ID: <3.0.1.16.19970416183051.199f0ed6@mail.lightside.com>

Vic:

The Wireman sells heavy duty knife switches for 450 Ohm line.  
P/N 847, \$7.95. (800) 727-9473, Fax: (864) 895-5811.

72's & 73's  
--Dan--  
WA6PBY

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: David.Reid@asm1.nl (David Reid)  
Subject: [17559] Re: Open line lightning protection  
Message-ID: <199704170559.HAA22385@wspub002.asm1.nl>

Hi Vic,

I had a similar problem with my /Mobile setup and homemade  
160M mobile antenna...

Cured it by using BNC plugs and sockets

You short the inner and outer to the wire and then you install one on each leg of the wire - it makes a good - stable connection even at freeway speeds..

I put the plugs on antenna and the sockets on the wire to the Coax

For your open feeder - you'll need 2 plugs and 2 sockets...

(a pair for each wire)

Hope this makes sense.

72/73 es GL

Dave PA3HBB G0BZF

email David.Reid@asml.nl or DRCP@compuserve.com

WWW [Http://ourworld.compuserve.com/homepages/DRCP/homepage.htm](http://ourworld.compuserve.com/homepages/DRCP/homepage.htm)

D.R.Computer Products make Micro-kits for radio amateurs.

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997

From: af852@rgfn.epcc.Edu (William R Colbert)

Subject: [17575] re: open line lightning protection

Message-ID: <9704171414.AA08678@rgfn.epcc.Edu>

For AD8K and others, an idea that  
USED to be in the ARRL handbook for open wire/parallel feeders  
was to take a flat piece of metal, drill two 1/2 inch holes (+/\_)  
spaced about the distance of the feeder spacing, place two spark  
plugs in, attach the feeders to the top of the plug, under the  
screw cap. The gap is adjusted to drain off the static build-up  
without arcing with the RF. One could also use a single plug for  
the single wire (end-fed or Windom antenna). The ground is attached  
to the plate with appropriate hardware. Have not seen this in  
the handbook since the 70's, I think. Simple and inexpensive.

ray

--

Ray Colbert, W5XE, SOWP 1064M, OOTC 3618, FISTS 2146

El Paso, Tx

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Bill Morris Denton <bdenton@tenet.edu>  
Subject: [17580] re: open line lightning protection  
Message-ID: <Pine.OSF.3.91.970417094922.11198D-100000@abernathy.tenet.edu>

I actually saw this spark plug arrangment recently. An oldtimer in our club, now a SK, had his ladder line installed this way. Looked kina weird but I guess it was effective.

Bill- W5SB

On Thu, 17 Apr 1997, William R Colbert wrote:

>  
>  
> For AD8K and others, an idea that  
> USED to be in the ARRL handbook for open wire/parallel feeders  
> was to take a flat piece of metal, drill two 1/2 inch holes (+/\_)  
> spaced about the distance of the feeder spacing, place two spark  
> plugs in, attach the feeders to the top of the plug, under the  
> screw cap. The gap is adjusted to drain off the static build-up  
> without arcing with the RF. One could also use a single plug for  
> the single wire (end-fed or Windom antenna). The ground is attached  
> to the plate with appropriate hardware. Have not seen this in  
> the handbook since the 70's, I think. Simple and inexpensive.  
>  
> ray  
>  
> --  
> Ray Colbert, W5XE, SOWP 1064M, OOTC 3618, FISTS 2146  
> El Paso, Tx  
>  
>

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: WD6BOR@aol.com  
Subject: [17599] Re: Open line lightning protection  
Message-ID: <970417123400\_1120218459@emout03.mail.aol.com>

In a message dated 97-04-16 20:02:48 EDT, blackwel@tlcnet.muohio.edu (Vic Blackwell) writes:

<< Any suggestion on how to make a connection device to put in open

line for outside the building connect/disconnect? I do not like leaving my feed line connected while I am away from shack. My location is on top of a hill and lightning strikes are a rather common occurrence.

>>

I've seen plans using a couple of auto spark plugs, one on each line, to a good ground. Lightning strikes and conducts over the electrode gap... theoretically. I believe the plans were in an old ARRL handbook or antenna book. Very simple and easy to replace elements.

Milage amy vary and no liablitly is assumed if the rig blows up and the house burns down... (can you tell we don't have much of a lightning problem out here?)

Darrel, WD6BOR

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [17615] re: open line lightning protection  
Message-ID: <Pine.SUN.3.90.970417112344.21379A-100000@vortex>

On Thu, 17 Apr 1997, William R Colbert wrote:

> spaced about the distance of the feeder spacing, place two spark  
> plugs in, attach the feeders to the top of the plug, under the  
> screw cap. The gap is adjusted to drain off the static build-up  
> without arcing with the RF.

I have often wondered how much voltage it takes to jump how big a gap??

And, in this day and age of solid state front ends, how much voltage does it take to harm the rig??

I guess my question really is.....Will spark pluge really protect the solid state rigs??

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Greg Weinfurtner <weinfurtner@ouvaxa.cats.ohiou.edu>  
Subject: [17624] Re: Open line lightning protection  
Message-ID: <v03102805af7ab894e1dc@[132.235.73.33]>

>In a message dated 97-04-16 20:02:48 EDT, blackwel1@tlcnet.muohio.edu (Vic  
>Blackwell) writes:

>

><< Any suggestion on how to make a connection device to put in open  
> line for outside the building connect/disconnect? I do not like  
> leaving my feed line connected while I am away from shack. My  
> location is on top of a hill and lightning strikes are a rather  
> common occurrence.  
> >>

A friend of mine had a relay DPDT (two sections) that shorted each line to ground when the relay was UNENERGIZED. The relay would be ENERGIZED, unshorting the line, when he turned his radio on. I assumed that he had the relay hooked to the 120vac switched line or on the 12vdc power supply.

That way, even if the power went out completely, the lightning protection was there.

NS80

Greg Weinfurtner  
Electronic Design Splst.  
Modern Language Dept.  
Ohio University Athens  
GO BOBCATS!

weinfurtner@ouvaxa.cats.ohiou.edu  
<http://ouvaxa.cats.ohiou.edu/~weinfurtner>

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "Arjen Raateland, SYKE/YV, puh. 09 4030 0457" <Arjen.Raateland@vyh.fi>  
Subject: [17627] re: open line lightning protection  
Message-ID: <01IHTWKR9V108YAEVB@vyh21.vyh.fi>

> On Thu, 17 Apr 1997, William R Colbert wrote:

> > spaced about the distance of the feeder spacing, place two spark  
> > plugs in, attach the feeders to the top of the plug, under the  
> > screw cap. The gap is adjusted to drain off the static build-up  
> > without arcing with the RF.

> I have often wondered how much voltage it takes to jump how big  
> a gap??

> And, in this day and age of solid state front ends, how much voltage  
> does it take to harm the rig??

> I guess my question really is.....Will spark plug really protect the  
> solid state rigs??

> .....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....

Ron and gang,

My balanced feed line enters the building passing over a contraption of two spark plug on a piece of square aluminum tube which is grounded. The input to the antenna tuner is capacitive with rather large gaps and reasonably sized isolators (tuner is designed for 200 W AM). Sparking should occur in the spark plugs with their very small gaps. If there would be no static arrester, a high static charge could build up and discharge itself at an unwanted and unexpected place, e.g. through ATU and the case of the rig to any convenient ground perhaps causing damage along the way. In my case such discharges from the antenna to the ATU, after jumping across feed-through isolators or capacitor plates, can only flow to the case and go further from there. Through the operators hands, maybe, but not directly through the transceiver in/output circuits, I think.

W/o arrester, static might discharge itself through the antenna capacitor in the ATU and from there through the inductor to the case of my balanced ATU, an inducted voltage on the primary link would result which might be able to do damage to the TRX in/output.

I'm sure a direct lightning hit will always cause damage to part of my installation. I just hope that routing the open line through a iron grille in the concrete wall plus having the static arrester serves to keep the damage outside. Otherwise the static arrester is useful to keep me from getting jolted by static build-up on the antenna.

My antenna is suspended next to a very large building, so I wouldn't think it's attracting lightning hits, really.

I would be interested to hear how others have treated static and

73, 0H2ZAZ  
Arjen Raateland  
---... ---... ---... ---... ---... ---...  
Finnish Environment Institute, Helsinki, Finland  
SAS Support  
EMAIL: Arjen.Raateland@vyh.fi  
tel. +358 9 4030 0457  
fax +358 9 4030 0490  
... ..

```
-> > Sounds good, Phil. My December issue is one that ended up in one
-> of the > USPS dumpsters. Looking forward to the April issue! :)
->
-> Hi Ed,
->
-> One correction.....there was a January Quarterly, not a December.
-> You might be confusing the ORP ARCI Quarterly with the NorCal ORPp.
```

-> However, the USPO has done a very poor job with the April issue. It  
-> started showing up on the first of April and is still arriving here  
-> and there!

Well, at least they're showing up! <grrr> I wonder sometimes....our local postmaster informed me (when I *\*needed\** some important papers to be in Cumberland, MD the next day!) that the \$10 "Next Day" letter wouldn't be there the next day.....that we didn't have next-day delivery out of our town....that I would have to drive 20 miles to a nearby town for that (and all this at about 4:30 in the afternoon!).

72/73  
Ed Welch KF4KRV  
NorCal Member #???  
1st Grand Poobah ScQRPion of Alabama  
QRP-L #873 - FISTS #2964  
Luverne, Alabama  
Crenshaw County - Grid EM61



+-----+  
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----  
+-----+

> Isn't "time" a 4-letter word? <

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Bernie Doehner <bad@uhf.wireless.net>  
Subject: [17602] Re: RE some scary facts  
Message-ID: <Pine.BSF.3.95.970417120629.3331B-100000@uhf.wdc.net>

Hi Joel:

> Read with interest ur post but felt the need to ask  
>  
>  
> WHAT ARE "CLEAR CHANNELS"?  
>  
> I PRESUME YOU MEAN "CLEAR FREQUENCIES"

Yes/no. In frequency hopping you break up the band into a bunch of (virtual) channels (you can't just speak of one frequency since information transfer requires a little bit of a BW). The spacing between adjacent channels usually is proportional to the information bandwidth, but it doesn't have to be.

A clear channel is one that isn't jammed (or interfered with).

In frequency hopping the SNR is to a great extent governed by the number of clear channels/frequencies vs. jammed channels/frequencies.

> it was an interesting post

Thanks. I don't claim I knowe everything there is about SS, but I sure would like to have the opportunity to legaly experiment.

73

Bernie nu1s

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "JOEL DENISON" <jdenison@morelr.com>

Subject: [17591] RE some scary facts  
Message-ID: <19970417105033.19bfdd6b.in@master>

Hello Bernie:

Read with interest ur post but felt the need to ask

WHAT ARE "CLEAR CHANNELS"?

I PRESUME YOU MEAN "CLEAR FREQUENCIES"

it was an interesting post  
joel

God Bless  
Joel

|                         |                                                      |
|-------------------------|------------------------------------------------------|
| WA5CVM                  |                                                      |
| Joel Denison            | Gentle Lady (RC Sail Plane)(049 engine - high start) |
| 81 High street          | 40 mtr dipole up 40ft                                |
| Farmington, Maine 04938 | QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765          |
| jdenison@morelr.com     | AK/QRP 109                                           |

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Bernie Doehner <bad@uhf.wireless.net>  
Subject: [17566] Re: Some scary facts?  
Message-ID: <Pine.BSF.3.95.970417080154.2514C-1000000@uhf.wdc.net>

I know I am opening a can of worms here, but it's time to look at this with some information theory:

> A clear channel CW signal can be processed easily in a 100 Hz bandwidth.

How fast is the person sending that fits into this 100 Hz. BW? The fast he sends the more spectrum he uses. For sake of discussion, I'll assume 20WPM.

Take a 20WPM \* (5 characters/word) = 100 characters/min.

Approximately 4 bits/character (I know - different spacing, but I don't how else to approximate it - anyone else care to comment?)

100 characters/min \* ( 4 bits/character) = 400 bits/minute.

400 bits/min \* (1 min/60 seconds) = 7 bits/second. (rounding because of the approximation).

That's 7 bits/100 Hz or roughly 14 slower than what can be done with even the simplest of digital modulation schemes (such as QPSK).

I don't know for a fact that 20WPM takes up the entire 100 Hz., so please correct me if you have a better number.

And yes, I agree, there is nothing simpler than a CW radio in terms of circuit complexity, but in terms of information transfer rate it's pretty poor (I'd really like to know how poor though).

- > A clear channel SSB signal can be processed easily in a 3 KHz bandwidth.
- > A clear channel FM signal can be processed easily in a 5 KHz bandwidth.

Anyone care to suggest an equivalent bit rate for voice? :)

- > There are a disproportionately small number of hams using CW...

I totally agree. Just as there are even fewer building their own radios.

- > 2 meters has the least percentage of spectrum allocated to CW (1000
- > channels) while FM enjoys 640 channels... and we all know how
- > congested we keep those CW channels on 2 :-)

Have any of you noticed the FCC NPRM regarding spread spectrum (comments due May 5th?). Before you go of making rush judgements on a very little understand mode, consider that a properly designed spread spectrum radio (with Rake receiver) can easily copy under the narrowband noise floor (even the 100 Hz. BW filter used above).

- > We "share" the CW band with the digital modes... OK... but our "fair
- > share of 80 meters is 34 KHz given that exactly half of hamdom are
- > regular users of CW. Us Extra's alone have 25 KHz set aside for
- > our exclusive use. But then we all know that Extra's only use CW :-)

This whole bandplan is shot to pieces when you add in spread spectrum.

Oh yea.. Some of you will probably say... So what's the Bits/HZ of Spread Spectrum? Really low (Like 1 bit/100 khz.), BUT it's the fact that you are transmitting redundant information (at much lower power levels) that improves your ability to copy weak signals.

- > One of the reasons I enjoy CW so much is for the many "clear channel"
- > QSO's I enjoy... an artifact of an abundance of bandwidth.

>  
> I have a difficult time formulating an intellectual argument for the  
> preservation of CW spectrum... We just ain't usin' spark gaps these days. I  
> too am annoyed with some of the foreign SSB QRM on our favorite calling freq.  
> I too am annoyed by some of the digital clammer that ignores our presence and  
> jams our nets... But... do we really need all the spectrum we have?

Consider that the Europeans don't have CW spectrum enforced by law on many  
of the HF bands as we do, and they do just fine.

Regarding foreign SSB. Are you claiming a right to use a certain  
frequency? Consider for a second that European band plans for HF are a LOT  
more restrictive (especially on 80/75) and that many of them won't hear  
you.

> Is the FCC simply throwing up their hands in disgust at the ARRL and  
> giving in to our childish bickering? Is their intent to give in to commercial

There is a chance in thinking at the FCC. Otherwise they would have never  
come out with the spread spectrum NPRM. What I am seeing is a lot of  
politics playing by the ARRL, trying to make the new Spread Spectrum rules  
as difficult as possible (Ie. imposing automatic power control).

Let me ask the masses - what would you do, if you had to operate RTTY (or  
even CW) and implement automatic power control? It's really difficult in  
a distributed environment such as ham radio, but nonetheless the ARRL  
wants it. Also, I think we'll see the day when the ARRL becomes the one  
and only spectrum coordinator.

>  
> I would hate to think the first two and love to believe the last.  
> Realistically, they are likely seeking something in the middle and driven  
> by a multitude of forces not the least of which is our loud bantering via the  
> ARRL.

Oh yea.. the wonderful boat in the water analogy (and people pushing at  
it from every direction and the boat taking on the "average" direction).

> Radio today consists of a plethora of modes (CW, AM, FM, DSB, USB, LSB,  
> RTTY, Packet, AMTOR, PACTOR, SSTV, FSTV, FAX, etc.)... spanning at least as

And now there is spread spectrum (well depending on what happens with this  
NPRM).

> Our enemy... aka commercial interests... have done an extraordinary job  
> of improving not only the performance of communications equipment, but have  
> been able to put much of it within reach of the average American's budget. We  
> don't have CW modes on our FM rigs because there has been no outcry for such

> a "USELESS?" feature. They truly are a greedy bunch and only build stuff for  
> folks who want to buy it... surprised?

This is one strong reason for allow spread spectrum further down the spectrum. One of the primary reasons for losing 220-222 Mhz. was the low spectrum utilization. Spectrum Utilization is a lot better had we been allowed to use spread spectrum.

> we might find we could be a bit more effective if we offered up some well  
> thought out solution alternatives rather than flooding the ARRL (who's best  
> interest really is to preserve amateur radio) and the FCC with hate mail.  
> If we can accept that we have a 30 to 1 bandwidth advantage, we should be able  
> to settle for most any allocation that is greater than this.

And please, before you go of writing hate mail to the FCC regarding the spread spectrum NPRM, lets have an intelligent discussion about it's advantages/disadvantages.

> And for being such reasonable people as well as good sports about this,  
> we get an additional 14.8 dB advantage... in reduced noise. We can enjoy the  
> same SNR equivalent to a 1.5Kw PEP SSB link with a mere 50 watts. Conversely;

But you get lots lets frequency reuse that way. As there are more and more hams joining the ranks, bank crowding is inevitable. Let's consider methods of improving SNR that don't involve turning up the juice.

> we can run a full KW and communicate with a 13 dB SNR across a link that a  
> 1.5 KW station gets buried in noise. Thus... even when we are completely  
> fair on spectrum allocation... we win.

Add spread spectrum into the equation and with a reasonably designed receiver you can sell your linear.

Ok. I don't keep saying spread spectrum because I am "not loyal" to the older "conventional" modes. Let's have some discussion on spread spectrum and how relaxation of SS rules might impact us all.

73

Bernie nu1s

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [17578] Re: Some scary facts?

Message-ID: <Pine.SUN.3.90.970417073214.20370D-100000@vortex>

On Thu, 17 Apr 1997, Bernie Doehner wrote:

> politics playing by the ARRL, trying to make the new Spread Spectrum rules  
> as difficult as possible (Ie. imposing automatic power control).  
>  
> Let me ask the masses - what would you do, if you had to operate RTTY (or  
> even CW) and implement automatic power control? It's really difficult in  
> a distributed environment such as ham radio, but nonetheless the ARRL  
> wants it.

I think you are missing the point Bernie,

If the ARRL can get little things like auto power control into law, then they will have done their part for their supporters, the major makers of ham radios!

This way the need for a new "box" is made, giving another shot in the arm to their advertisers at the expense of all hams. Nothing new here!

> Also, I think we'll see the day when the ARRL becomes the one  
> and only spectrum coordinator.

Well, remember the saying about power and corruption?? :-)

> > Our enemy... aka commercial interests...

Don't forget the ARRL!

> Let's have some discussion on spread spectrum  
> and how relaxation of SS rules might impact us all.

But don't forget to "follow the dollar" to understand what is at the bottom of all this!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Bernie Doehner <bad@uhf.wireless.net>  
Subject: [17581] Re: Some scary facts?  
Message-ID: <Pine.BSF.3.95.970417104636.2993A-100000@uhf.wdc.net>

> I think you are missing the point Bernie,  
>  
> If the ARRL can get little things like auto power control into law, then  
> they will have done their part for their supporters, the major makers  
> of ham radios!

I see what you are saying. There are plenty of part 15 Spread Spectrum devices out there. I'd have to make the point that it's about time that ham equipment manufacturers also think about adding this mode.

There has already been some of this stirring in commercial two-way radio circles, because there spectrum is really at a premium and better ways to use the spectrum translate into more users/more \$\$\$.

> > Also, I think we'll see the day when the ARRL becomes the one  
> > and only spectrum coordinator.  
>  
> Well, remember the saying about power and corruption?? :-)

:)

>  
> > > Our enemy... aka commercial interests...  
>  
> Don't forget the ARRL!

Yes. How true. Very few of us have the \$\$\$ for the legal aid to wage the war alone.

> > Let's have some discussion on spread spectrum  
> > and how relaxation of SS rules might impact us all.  
>  
> But don't forget to "follow the dollar" to understand what is at  
> the bottom of all this!  
>

I personally see it as a new feature of the next generation VHF all-mode. They can only repackage and miniaturize so long before it becomes uninteresting.

Oh yea. One clarification. Working "under the noise floor" only works for direct sequence. It doesn't work for frequency hopping.

Bernie

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Vic Rosenthal <rakefet@rakefet.com>  
Subject: [17584] Re: Some scary facts?  
Message-ID: <335640D4.73B7@rakefet.com>

All this talk about spread-spectrum worries me. I like to work DX and QRP, which means weak signals. If the band is busy with a lot of spread-spectrum stuff, does that mean that the general noise level goes up? In other words, does it mean that instead of being limited to working in a quiet spot on the band, I'm limited to working only louder signals?

Also, about CW: it's not a question of communications effectiveness, bit rates, etc. The kind of communication that is taking place here on this list far outstrips what is (currently) possible through any mode of ham radio. I use CW because I enjoy using a skill that I had to work to develop - i.e., it's fun. Removing the license requirement WILL lead to the reduction and ultimate elimination of frequencies that are usable for (at least low-power) CW. That's why I'm opposed to it.

Vic K2VCO (Fresno CA)

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Bernie Doehner <bad@uhf.wireless.net>  
Subject: [17589] Re: Some scary facts?  
Message-ID: <Pine.BSF.3.95.970417112907.3107C-100000@uhf.wdc.net>

> All this talk about spread-spectrum worries me. I like to work DX and  
> QRP, which means weak signals. If the band is busy with a lot of  
> spread-spectrum stuff, does that mean that the general noise level goes  
> up? In other words, does it mean that instead of being limited to

To the narrowband user yes (if there is a sufficient number of SS users using direct sequence). With frequency hopping you can avoid certain parts of the band (this is actually one of the proposals under consideration right now). Unfortunately with Frequency Hopping you don't get the ability to work under the noise floor that you get with direct sequence.



> working in a quiet spot on the band, I'm limited to working only louder  
> signals?

It depends on the final outcome of the new rules (if they get implemented). And of course, we are talking 50 Mhz. plus here (the only bands under consideration at this time). I think it will take very long to even be considered for the HF bands.

> Also, about CW: it's not a question of communications effectiveness,  
> bit rates, etc. The kind of communication that is taking place here on

Quite true. And there is nothing easier to build. Nonetheless when people judge our spectrum, they look at how much of it is actually used and how efficiently. That was the point I was trying to make.

> this list far outstrips what is (currently) possible through any mode of  
> ham radio. I use CW because I enjoy using a skill that I had to work to  
> develop - i.e., it's fun. Removing the license requirement WILL lead to

Not debating that. I enjoyed CW too, but I have become a bit lazy and concentrating more on newer modes (if that isn't obvious by now).

> the reduction and ultimate elimination of frequencies that are usable  
> for (at least low-power) CW. That's why I'm opposed to it.  
>

Right. Too different arguments that are getting mixed here. I operated a lot with my A&A 30 Meter QRP rig from my portable qth in Wisconsin.

I was truly amazed at the number of stations I could communicate with.

Nonetheless, ham radio is many things to many people (boy, does that remind me of ISDN - sorry getting sidetracked), and we need to accomodate everyone.

All of a sudden, ham radio reminds me of the internet. It's been said that out of chaos comes order.

73

Bernie nu1s

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>

Message-ID: <Pine.A41.3.95b.970417151917.87162A-100000@homer29.u.washington.edu>

$V[F] \text{ (max)} = 900\text{mV}$  at  $I[F] \text{ (test)}$  of 220 Amps

Stephen Lee, AB7HI, Tacoma, WA  
slee@u.washington.edu

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Rich Mulvey <mulveyr@frontiernet.net>  
Subject: [17634] RE: specs on mbr7535 diode?  
Message-ID: <XFMail.970417182639.mulveyr@frontiernet.net>

>  
>  
>  
>  
>  
>  
>

The Buffalo QRP CONNECTION  
ARCI #9013 QRP-L #381  
Life member ARRL  
jskalski@acsu.Buffalo.EDU

- - -

Rich Mulvey

mulveyr@frontiernet.net

Rochester, NY USA

<http://www.frontiernet.net/~mulveyr>

Amateur Radio: aa2ys@amsat.org, aa2ys@wb2wxq.#wny.ny.usa

-----BEGIN PGP SIGNATURE-----

Version: 2.6.3a

Charset: noconv

iQB1AwUBM1ajnuYVoBz3nmPRAQGdyAL/bHanQ5zCSTtyyutEEbnljg0tJeqqBNMo  
VxftEU6jRwA4KTMA+c36dmFEbZfK0/ReRwY++22DkqQ+tI92FYxbtzB3RWbkHL7  
1YzqhLNSpJqsjmHdKPYnu8tjgIghb/OD  
=rJ3x

-----END PGP SIGNATURE-----

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997

From: adams@chuck.dallas.sgi.com (Chuck Adams)

Subject: [17541] Re: Ten Tec T-Kit 1203 Dummy load Review (long, sorry)

Message-ID: <199704170227.DAA27488@chuck.dallas.sgi.com>

Hmmm, I just picked up a simple 3W dummy load at MD swapmeet for \$15. The cute little type with BNC connector that works nicely on the NorCal 40a and the GM-XX rigs with BNC connectors. Better things to do than build dummy loads, for sure.

Took the old MFJ Antenna Analyzer to the puppy and it is 1:1 up to 175MHz as measured on the old MFJ-249.

Since you mentioned it in the post, I went to the back of the old closet and yanked out the Heath Cantenna. Like you I went to the local drug store and bought a gallon of mineral oil. I won't go into details on the all questions about what I was going to do with that much oil.

The cantenna shows no sign of rusting through, etc. Must be that musty basement in the NE that caused the rust and corrosion. :-)  
The chart on the side shows that at 5W or less I can run it forever key down. :-) I think I'd lose a final PA before the cantenna even gets warm. I don't even remember what the insides looked like it has been that long and I am not about to remove the lid.

Think I should take the last remaining spares of the K5F0 cases

to Dayton? Tell you what gang. Pictures on the web page in the a.m., for sure. I finally left the office at 8pm and I think I have all the technical space issues resolved and can finish up what I started. Then I'll bring the last ones to Dayton for trading only. Sorry, no reservations please. FIFO.

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com

[http://reality.sgi.com/employees/adams\\_dallas/](http://reality.sgi.com/employees/adams_dallas/)

WIMPS: Qs=024 30m=19 17m=5 12m=0 States=16/05/00 DX=02/00/00 QSLs=002

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997

From: ed.welch@cheaha.com (ED WELCH)

Subject: [17537] Re: TenTec MR-1

Message-ID: <8D60493.0004002443.uuout@cheaha.com>

-> I checked the Ten-Tec box in my closet and I have an  
-> unassembled MR-1A with the blueprints and hardware and  
-> stuff, in case Mr. Valko or others are interested.

Let the games begin!!!! :)

72/73

Ed Welch KF4KRV

NorCal Member #???

1st Grand Poobah ScQRPion of Alabama

QRP-L #873 - FISTS #2964

Luverne, Alabama

Crenshaw County - Grid EM61

```
+-----+  
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----  
+-----+
```

> Isn't "time" a 4-letter word? <

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997

From: rerobins@unccvm.uncc.edu (Rick Robinson)

Subject: [17571] Re: TenTec MR-1

Message-ID: <v0213050daf7ba02a435d@[152.15.144.13]>

Ed, N4XY writes

>I think Rick should be forced to give us all the breath-taking details as  
>he assembles his find. The crackle as the rosin-core solder is melted...  
>that delicious of old phenolic pc board being overheated... the

Resin core? I was planning on using acid core and a butane torch.

Rick kf4ar

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Ed Tanton <n4xy@bellsouth.net>  
Subject: [17585] Re: TenTec MR-1  
Message-ID: <3.0.1.32.19970417112914.00a263f0@mail.atl.bellsouth.net>

Yes.... and what's wrong with that???? I thought we all did it that way.

At 09:38 AM 4/17/97 -0400, Rick Robinson wrote:

>Ed, N4XY writes

>

>>I think Rick should be forced to give us all the breath-taking details as  
>>he assembles his find. The crackle as the rosin-core solder is melted...  
>>that delicious of old phenolic pc board being overheated... the

///

>Resin core? I was planning on using acid core and a butane torch.

>

>Rick kf4ar

>

>

>

72/73

---

|                   |            |                              |
|-------------------|------------|------------------------------|
| Ed Tanton         | N4XY       | EMAIL: n4xy@bellsouth.net    |
| 189 Pioneer Trail |            |                              |
| Marietta, GA      | 30068-3466 | TEL: (770)579-3933 V/MBX/FAX |

---

|                |              |             |            |       |
|----------------|--------------|-------------|------------|-------|
| QRP-ARCI #7663 | G-QRP #6779  | OK-QRP #172 | QRP-L #758 |       |
| AdvRC #140     | NORCAL #1779 |             | NCDXF      | SEDXC |

|              |      |       |        |      |
|--------------|------|-------|--------|------|
| Life Member: | ARRL | AMSAT | INDEXA | QCWA |
|--------------|------|-------|--------|------|

---

INTERESTS: DX QRP BoatAnchors Test Equipment Photography  
CW: 99.9% QRP: 95-100% (Mood swings!)

---

"Think you can, think you can't: either way you're right!" Henry Ford

~~~~~  
From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Bill Todd <bill@techline.com>  
Subject: [17546] Re: Thanks and Sorry!  
Message-ID: <1.5.4.32.19970417025129.0069c400@mail.techline.com>

Marshall -

You have/had nothing to appologize about.

Some people are so "literal" they can't handle the finer points of a bit of creative writing (hi).

CUL, Bill-N7MFB

PS Personally, I've been thing about the lowering of the CW skill to the 13 WPM level. I have known quite a few hams who seem to be stuck at 13 WPM...and no matter how hard they try, they just cant receive any faster.

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
Subject: [17610] Re: Thanks and Sorry!  
Message-ID: <199704171759.LAA18622@mailrelay.csn.net>

Hi, Bill--

>>PS Personally, I've been thing about the lowering of the CW skill to the 13 WPM level. I have known quite a few hams who seem to be stuck at 13 WPM...and no matter how hard they try, they just cant receive any faster.  
<<

I'm not sure what's going on with the League's idea of reducing the 13 to 10, but it sort of serves as an example of my own opinion, which is that the current tests do not by any means prove competence at the stated speed. To start with, getting 7 out of 10 questions right means that you only need to copy 70% at 20 wpm. Or another way of looking at it is that if you can pass with one minute solid copy out of 5, you only need 20% copy!

As for people you have know who can't get past 13wpm, I would suggest

that either a) they aren't REALLY trying, or b) they don't know HOW to do it. My money is where my mouth is on this one-- I guarantee 0-20wpm in 90 days with my Codemaster V program and I can only do that because it damn well works! [g]

I find it rather dismaying that there are at least four separate issues that are related so they tend to be confused constantly in the ham press and on QRP-L. To give an indication:

- 1) If we DO have a Morse exam, should we change the standards?
- 2) Do we need an international treaty agreement requiring Morse?
- 3) Should we have a Morse requirement in the US?
- 4) How do we protect the CW-only portions of the bands?
- 5) How do we protect the HF ham bands from commercial users (no code means more users means more use-- but it's irrelevant because nobody in their right minds wants HF spectrum these days anyhow.

These are all separate issues, but people constantly confuse them and use one to argue another.

Item 4 is the critical one for most of us, of course, and it seems to get the least attention. On most bands I think the CW exclusive zone could quite easily be narrowed IF (and only if) we get the terminology right and EXCLUDE digital modes!

And I am somewhat dismayed at some otherwise knowledgeable folks on QRP-L who seem to think that a Gentlemen's Agreement precludes use of CW in the "phone bands." That seems to be a popular myth in this part of the world but it's WRONG!!! It's not even logical. If for whatever reason I were operating CW in the phone band and someone complained, I'd be quite happy to switch to phone and take up 3KHz of spectrum!

73

Marshall Emm

AA0XI/VK5FN

aa0xi@mtechnologies.com

<http://www.mtechnologies.com/mthome>

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997

From: "Marshall Emm" <mgemm@mtechnologies.com>  
Subject: [17628] Re: Thanks and Sorry!  
Message-ID: <199704172054.0AA10742@lynx.csn.net>

Hi, Frank--

> to get on the air with. I'm convinced that anybody who  
> has made it to the vicinity of 13 wpm who then GETS ON  
> THE AIR AND WORKS CW will soon be at 20 wpm without  
> really being aware of "working on my CW"..

Absolutely. There IS a barrier or plateau for most people around 17-20wpm but if you learn properly you can avoid it to start with or if it's too late for that there are specific techniques to get past it-- all incorporated in Codemaster V of course or I wouldn't be able to guarantee results! And I do suggest somewhere in the manual that the very best way to learn is to do [g].

73

Marshall Emm  
AA0XI/VK5FN  
aa0xi@mtechnologies.com  
<http://www.mtechnologies.com/mthome>

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
Subject: [17631] Re: Thanks and Sorry!  
Message-ID: <199704172158.PAA16972@lynx.csn.net>

Hi, Frank--

>>to get on the air with. I'm convinced that anybody who  
has made it to the vicinity of 13 wpm who then GETS ON  
THE AIR AND WORKS CW will soon be at 20 wpm without  
really being aware of "working on my CW"..  
<<

Absolutely. There IS a barrier or plateau for most people around 15-20wpm but if you learn properly you can avoid it to start with or if it's too late for that there are specific techniques to get past it-- all incorporated in Codemaster V of course or I wouldn't be able to guarantee results! And I do suggest somewhere in the manual that the very best way to learn is to do [g].



73

Marshall Emm

AA0XI/VK5FN

aa0xi@mtechnologies.com

<http://www.mtechnologies.com/mthome>

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997

From: Jess Gypin <jessqrp@concentric.net>

Subject: [17525] Re: The Forces of Darkness are Gathering

Message-ID: <33556B84.6CED@concentric.net>

Gary R. Widmayer wrote:

>

> Code vs No Code..... can we ""PLEASE"" not go there! Again!

>

> We just wore this subject off the list a few weeks ago didn't we?

>

> At the very least, email direct and don't post to the list.

>

> Gary/N8AYY

Hear Hear and well said!

Jess

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997

From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>

Subject: [17526] Re: The Forces of Darkness are Gathering

>From: cooper@gmpvt.com (Tom Cooper)

>One way or another, some effort should be required or the priviledge of

>using the amateur frequencies will be assumed valueless. Tom W1EAT

Hi Tom, does that mean that a person exiting the military with 40wpm CW ability and an electronics degree should not be allowed to be a ham? He would pass all the testing effortlessly (like I did). CW has always been my favorite mode. It took me 45 minutes to go from zero to 5 wpm. I apologize, but it was effortless fun for me.

If it's effort you want, I suggest that potential hams be required to dunk a basketball, own a Harley, have a EE degree, and be a member of Mensa. (heh, heh, I would still qualify effortlessly. :-)

IMO, the people who would be of the greatest benefit to ham radio are

the RF engineers who could pass the written exams in their sleep. IMO, we need a slow-code/high-tech path into ham radio so my friend Dr. Williamson, who has a PhD in Electrical Engineering, will turn his considerable talents toward solving the problems of HF communications. Until he is allowed on HF, he has absolutely no incentive to do so.

Len Winkler of "Ham Radio and More" fame, has suggested giving general privileges to any tech+ who can pass the general, advanced, and extra written exams. He calls it the WOG, written only general, license. It satisfies the treaty and sounds like a good idea to me. No one is asking that CW be banned. All HF hams would still be free to use CW or not, just as they are today.

\$73.02, Cecil, W6RCA, OOTC

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: ac4gt@juno.com (nathan c tart)  
Subject: [17533] Re: The Forces of Darkness are Gathering  
Message-ID: <19970416.202756.4751.2.ac4gt@juno.com>

I really do not to read all this NO CODE mess but I guess some of it is inevitable at times... I just do not understand how an EXTRA class ham of all people wants to destroy the hobby and however:

" LET US PLEASE LOOK FOR GOOD PRO-CW SUBJECTS  
AND HAVE A GOOD REFLECTOR....(LET HIM HAVE HIS  
WEB PAGE)... THIS IS THE CW SECTION...." Nate

On Wed, 16 Apr 1997 19:39:23 +0000 Sandy W5TVW <ebjr@worldnet.att.net> writes:

>At 10:30 AM 4/16/97 +0000, you wrote:

>>

>> If you are interested in learning what No Code

>> International is all

>>about take your computer over to their website. Its

>>address is simple. The URL is

>> <http://www.nocode.org>

>> E-mail goes to

>> [k6bp@nocode.org](mailto:k6bp@nocode.org)

>>(Via W5YI Report, Newsline)

>>  
>>73  
>>Marshall Emm  
>>AA0XI/VK5FN  
>  
> I wrote back to this idiot and asked him if he REALLY knew  
>what kind  
>of Pandora's Box he was attempting to open! One has only to review  
>the  
>Citizens Radio Service mess of the past to realize what bedlam this  
>would  
>produce on the HF bands!  
>Was it Franklin who said: "Those who don't learn by history, will be  
>condemned to repeat it"? The "No coders" will undoubtedly press our  
>inane  
>government officials for A TOTAL BAN on the use of CW as well! Be  
>assured  
>they won't stop when they get their "code free" HF licenses. After  
>that,  
>the next step indeed will be no "theory"  
>tests. Then we will REALLY be like "CB" radio, fill in the form that  
>comes  
>with your radio, along with the proper fee and there you are!  
> Some bright chap out there with the financial means should  
>organize  
>a counter to this "rape" of the Amateur Radio Service by the lazy and  
>ne'er  
>do wells.  
>73,  
>E. V. Sandy Blaize, W5TVW  
>"Boat Anchors collected, restored, repaired, traded and used!"  
>417 Ridgewood Drive,  
>Metairie, LA., 70001  
>ebjr@worldnet.att.net  
>\*\*Looking for: 860 tubes, WL-460 tubes\*\*  
>\*\*Butternut HF2V antenna, G-R test gear.....\*\*\*  
>  
>  
>

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Sandy W5TVW <ebjr@worldnet.att.net>  
Subject: [17535] Re: The Forces of Darkness are Gathering  
Message-ID: <19970417020657.AAC22736@LOCALNAME>

At 12:40 AM 4/17/97 +0000, you wrote:

>

>IMO, the people who would be of the greatest benefit to ham radio are  
>the RF engineers who could pass the written exams in their sleep. IMO,  
>we need a slow-code/high-tech path into ham radio so my friend Dr.  
>Williamson, who has a PhD in Electrical Engineering, will turn his  
>considerable talents toward solving the problems of HF communications.  
>Until he is allowed on HF, he has absolutely no incentive to do so.

>

>Len Winkler of "Ham Radio and More" fame, has suggested giving general  
>privileges to any tech+ who can pass the general, advanced, and extra  
>written exams. He calls it the WOG, written only general, license. It  
>satisfies the treaty and sounds like a good idea to me. No one is  
>asking that CW be banned. All HF hams would still be free to use CW  
>or not, just as they are today.

>

>\$73.02, Cecil, W6RCA, 00TC

>

>

Ah yes. No doubt his talents would help us. I still say that if he  
has a PhD in EE,  
then he must have the intellect and self discipline to at least get to 13  
WPM! His

"incentive" would be obtaining a license to operate HF, if he was REALLY  
interested.

There have been ideas of dropping the speed requirements to 10 wpm for General.  
I have no objection to this. It should make it REALLY easy, especially  
considering how the code test is given nowadays. Dropping it entirely...NO!

Yes, the CW people WOULD be as they are at present, BUT and a big  
BUT....

as the "WOG" class people populate the HFbands there will be increasing  
pressure and carping to eliminate the code requirement entirely and/or BAN  
CW entirely.

I can tell you this will happen as sure as I am typing on this keyboard!  
Anyone who disputes it ignores human nature. We are all lazy creatures and  
wish the easiest way out of a dilemma. I'm sure any anthropology major will  
confirm this.

It would be as if I ,a "non-degreed" person demanded a high position  
in the IEEE.

I must have the 'entry' requirement...(the degree) or else I must accept an  
"associate" membership! The "code" serves as our special 'stumbling block',  
as it were, to REALLY join the fraternity of amateur radio. To eliminate it  
would be an affront to all those who proceeded us! Even if it serves no  
useful purpose (except the demonstration of some self-discipline) it is part  
of the "tradition" of our forebears  
in the radio art.

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,  
Metairie, LA., 70001  
ebjr@worldnet.att.net  
\*\*Looking for: 860 tubes, WL-460 tubes\*\*  
\*\*Butternut HF2V antenna, G-R test gear.....\*\*\*

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: ed.welch@cheaha.com (ED WELCH)  
Subject: [17538] Re: The Forces of Darkness are Gathering  
Message-ID: <8D604AB.0004002445.uuout@cheaha.com>

-> Of course, the ideal solution, in my book, is to give no-code HF  
-> licences CW priveledges only on HF, below 28 MHz, restricted to  
-> General class subbands (or perhaps smaller).

Hey!! Why the General subbands!!!!???? (my present license class, of  
course! :) ).

My thought is to give the no-code HF operators just a small portion of  
the novice 10m phone subband and a small portion of the novice CW  
subbands. This way they can talk some, but will (most importantly) have  
access to live CW qso's. The fact that they \*know\* they have these  
extra "different mode (cw)" frequencies that they can use just might get  
some of 'em curious enough about it to give it a shot. You gotta get'em  
interested first.....kinda like a video-game, the game might not be  
easy, but if they have the desire to play it they'll stick with it and  
learn how to play.....if they don't have the desire they'll forget it  
and leave it alone. It's hard for me to see how someone who listens to  
the cw bands can't be a little bit interested in what's going on.

72/73  
Ed Welch KF4KRV  
NorCal Member #???  
1st Grand Poobah ScQRPion of Alabama  
QRP-L #873 - FISTS #2964  
Luverne, Alabama  
Crenshaw County - Grid EM61

+-----+  
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----  
+-----+

> Isn't "time" a 4-letter word? <

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Vic Rosenthal <rakefet@rakefet.com>  
Subject: [17540] Re: The Forces of Darkness are Gathering  
Message-ID: <33558936.35FA@rakefet.com>

Cecil A Moore wrote:

<snip>

> I suggest that potential hams be required to <snip>  
> own a Harley <snip> and be a member  
> of Mensa.

Do I sense an oxymoron here?

Vic K2VCO

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>  
Subject: [17543] Re: The Forces of Darkness are Gathering  
Message-ID: <Roam.SIMC.2.0.4.861244362.15112.myers@bigboy>

Vic Rosenthal wrote:

> Cecil A Moore wrote:  
>  
> <snip>  
>  
> > I suggest that potential hams be required to <snip>  
> > own a Harley <snip> and be a member  
> > of Mensa.  
>  
> Do I sense an oxymoron here?

I don't think so. However, I'd probably say that owning a Harley isn't enough - the Harley must actually start.

;-)

Dana

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Alan Kaul <kaul@netcom.com>

Subject: [17561] Re: The Forces of Darkness are Gathering  
Message-ID: <Pine.3.89.9704170147.A15570-0100000@netcom17>

People responding to this thread seem convinced the battle is between people who are in favor of a code requirement in licensing, and people who are against it. And that somehow, they can stop a change they don't want in the licensing requirement if they get enough people to rally against it. I think they're wrong.

I'm not passing judgement on code versus no-code, but I think they're probably fighting yesterday's battle ----- it's likely that SOMEDAY CW WILL NOT BE REQUIRED. And if they care about code at all, they should be focusing on PRESERVING A PORTION OF THE BANDS FOR CW! Because I think that's where the next "real" battle is going to be.

Flames to the list are not necessary -- please reply to me personally and allow the rest of the readers a breather!!!

[<Alan Kaul, W6RCL>] kaul@netcom.com

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Dale LeDoux <dledoux@laci.net>  
Subject: [17564] Re: The Forces of Darkness are Gathering  
Message-ID: <3.0.1.16.19970416184600.2e9f5c54@laci.net>

At 19:21 4/16/97 -0700, you wrote:

>Cecil A Moore wrote:

>

><snip>

>

>> I suggest that potential hams be required to <snip>

>> own a Harley <snip> and be a member

>> of Mensa.

>

>Do I sense an oxymoron here?

>

>Vic K2VC0

>

No-np-no-no! I used to own and enjoy Harleys. Still enjoy them. Also Mensa-level IQ (by test), licensed pilot, advanced class ham since '82, original license in seventy-something and NRA-classified high power rifle competitor. We hams can be quite an eclectic bunch....

72--

Dale LeDoux - KD5QI  
Bath Electrical Systems  
Power Systems 480V to 230KV

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [17576] Re: The Forces of Darkness are Gathering  
Message-ID: <Pine.SUN.3.90.970417072036.20370A-100000@vortex>

On Wed, 16 Apr 1997, Vic Rosenthal wrote:

> Cecil A Moore wrote:  
>  
> <snip>  
>  
> > I suggest that potential hams be required to <snip>  
> > own a Harley <snip> and be a member  
> > of Mensa.  
>  
> Do I sense an oxymoron here?

No.....lots of people can join Mensa but ya gotta work hard  
to own a Hawg!

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: wd4et@juno.com  
Subject: [17594] Re: The Forces of Darkness are Gathering  
Message-ID: <19970417.121121.4254.0.wd4et@juno.com>

>> oxymoron - mensa vs. Harley?

The mensa folks wouldn't be able to clutch with their left hand, throttle  
and brake with their right hand, shift with their left foot, brake with  
their right foot, and chew gum all at the same time. :)



Couldn't resist, long time rider.

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Bob Patten <n4bp@shadow.net>  
Subject: [17600] Re: The Forces of Darkness are Gathering  
Message-ID: <Pine.SOL.3.91.970417123540.17387B-100000@hyper>

On Thu, 17 Apr 1997 wd4et@juno.com wrote:

> >> oxymoron - mensa vs. Harley?  
>  
> The mensa folks wouldn't be able to clutch with their left hand, throttle  
> and brake with their right hand, shift with their left foot, brake with  
> their right foot, and chew gum all at the same time. :)  
And dodge semi's trying to run them down on the Interstate. :-(  
>  
> Couldn't resist, long time rider.  
Ditto

Bob Patten, N4BP  
Plantation, FL  
n4bp@shadow.net  
<http://www.shadow.net/~n4bp/n4bp.htm>

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: emaaro@pacbell.net  
Subject: [17601] Re: The Forces of Darkness are Gathering  
Message-ID: <33563883.490E@pacbell.net>

Sandy W5TVW wrote:

snip - - - - -

> I wrote back to this idiot and asked him if he REALLY knew what kind  
> of Pandora's Box he was attempting to open! One has only to review the  
> Citizens Radio Service mess of the past to realize what bedlam this would  
> produce on the HF bands!  
> Was it Franklin who said: "Those who don't learn by history, will be  
> condemned to repeat it"? The "No coders" will undoubtedly press our inane  
> government officials for A TOTAL BAN on the use of CW as well! Be assured  
> they won't stop when they get their "code free" HF licenses. After that,  
> the next step indeed will be no "theory"  
> tests. Then we will REALLY be like "CB" radio, fill in the form that comes

> with your radio, along with the proper fee and there you are!  
>       Some bright chap out there with the financial means should organize  
> a counter to this "rape" of the Amateur Radio Service by the lazy and ne'er  
> do wells.  
> 73,  
> E. V. Sandy Blaize, W5TVW  
> "Boat Anchors collected, restored, repaired, traded and used!"  
> 417 Ridgewood Drive,  
> Metairie, LA., 70001  
> ebjr@worldnet.att.net  
> \*\*Looking for: 860 tubes, WL-460 tubes\*\*  
> \*\*Butternut HF2V antenna, G-R test gear.....\*\*

Sandy, I agree with you about what might happen to Amateur Radio if the  
"no-coders" are successful.

However the real reason is that only we humans put up learning barriers  
to things we anticipate or find difficult to learn. These self-inflicted  
barriers make it even more difficult to learn than before. Then, after  
having some difficulty or very little success, we declare the procedure  
"useless and should be abandoned." The fact that others have succeeded  
where we have failed only adds to our frustrations and our efforts  
intensify to remove the obstacle.

We think of "reasons" ( read excuses) to eliminate this obstacle like  
"Others don't do it so why should we?" Well, Amateur Radio does need CW  
to communicate through language barriers. Commercial and Military  
organizations have abandoned CW because other methods are less expensive  
and more efficient and they are hounded by taxpayers and stockholders to  
reduce the costs. We amateurs don't need this efficiency or cost  
reduction because this is a fun hobby and we deliberately use CW for  
enjoyment.

Another excuse often used is: "CW is used to keep people out of Amateur  
Radio." This is nonsense! This is just another excuse derived from our  
"reasons" because of the learning barriers we've inflicted upon  
ourselves. WE ARE THE PROBLEM, NOT CW!

emaaro

From owner-qrp-l@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "Mark VandeWettering" <markv@tick>  
Subject: [17619] Re: The Forces of Darkness are Gathering  
Message-ID: <9704171154.ZM3756@tick>

--

Mark T. Vandewettering  
Email: <markv@pixar.com>

Telescope Information (and more)  
<http://www.idle.com/~markv/>

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: "David Yanke" <n9ssg@pobox.com>  
Subject: [17625] Re: The Forces of Darkness are Gathering  
Message-ID: <199704172011.PAA20230@mail.xnet.com>

> No.....lots of people can join Mensa but ya gotta work hard  
> to own a Hawg!

How much work is it to walk into 7-11 and say "Hand over your money."

-----  
If at first you don't succeed, skydiving is not for you.

Dave Yanke - N9SSG

<mailto:n9ssg@pobox.com> <http://www.pobox.com/~frrl>

PGP Pubic Key: <http://www.xnet.com/~n9ssg/pkey.htm>

FRRL, COL, 10-10 #67441, FISTS #2365, ARRL

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Rich Mulvey <mulveyr@frontiernet.net>  
Subject: [17632] Re: The Forces of Darkness are Gathering  
Message-ID: <XFMail.970417181549.mulveyr@frontiernet.net>

-----BEGIN PGP SIGNED MESSAGE-----

On 17-Apr-97 emaaro@pacbell.net wrote:

>Sandy W5TVW wrote:

>snip - - - - -

>

>> I wrote back to this idiot and asked him if he REALLY knew what kind  
>> of Pandora's Box he was attempting to open! One has only to review the  
>> Citizens Radio Service mess of the past to realize what bedlam this would  
>> produce on the HF bands!  
>> Was it Franklin who said: "Those who don't learn by history, will be  
>> condemned to repeat it"? The "No coders" will undoubtedly press our inane  
>> government officials for A TOTAL BAN on the use of CW as well! Be assured  
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>> tests. Then we will REALLY be like "CB" radio, fill in the form that comes

>> with your radio, along with the proper fee and there you are!  
>>           Some bright chap out there with the financial means should organize  
>> a counter to this "rape" of the Amateur Radio Service by the lazy and ne'er  
>> do wells.

>Sandy, I agree with you about what might happen to Amateur Radio if the  
>"no-coders" are successful.  
>However the real reason is that only we humans put up learning barriers  
>to things we anticipate or find difficult to learn. These self-inflicted  
>barriers make it even more difficult to learn than before. Then, after  
>having some difficulty or very little success, we declare the procedure  
>"useless and should be abandoned." The fact that others have succeeded  
>where we have failed only adds to our frustrations and our efforts  
>intensify to remove the obstacle.

You're ignoring one of the primary reasons that MANY of the "no-code" proponents are pushing to have CW testing eliminated; they want to be able to use HF spectrum to help in developing new technologies, but have no interest in obsolete testing requirements whose *\*sole reason\** for continuing to exist is stagnant attitudes by hams. A case in point: I'm currently working with a group of people on developing Linux software that will be used to implement DSP HF modems. How, precisely, is Morse testing helping to "advance the state of the art" ( One of the FCC's reasons for keeping the Amateur Radio Service ) when some of the members of my group - who are VERY motivated to use HF effectively, and who are also VERY intelligent - can't even test our system on the air, because they are forced to pass an ancient hazing ritual? Why, precisely, should they have to worry about crawling along at Morse speeds, when they can be using the time to implement communications systems that utilize less bandwidth, are usable under much worse conditions, and provide much faster communications? Your claim that the no-coders are simply lazy is completely unreasonable. Sure, it applies to a certain subset of people - but you are going to find that in ANY human endeavor. Personally, I have encountered far, far more people who simply want to increase their ability to do useful work without the imposition of artificial barriers, than those who just don't want to do the work. I didn't have to learn to ride a bicycle before I got a license to use a car on the public roadways, after all.

>We think of "reasons" ( read excuses) to eliminate this obstacle like  
>"Others don't do it so why should we?" Well, Amateur Radio does need CW  
>to communicate through language barriers.

Sorry, but "QSL?" on phone communicates the same information as Morse, or Pactor. Morse certainly doesn't overcome language barriers any better than another mode, as long as you stick to the established QSO conventions. If you're concerned about language, then you're going to have to learn German, French, or Russian anyhow, if you're interested in anything more than RST and the QSL manager. Of course, without the artificial Morse barrier, you might be able to attract someone who could implement a real-time translation engine during a QSO in any language. THAT would be advancing the state of the art, and foster international

ood-will, don't you think?

> Commercial and Military

>organizations have abandoned CW because other methods are less expensive  
>and more efficient and they are hounded by taxpayers and stockholders to  
>reduce the costs. We amateurs don't need this efficiency or cost  
>reduction because this is a fun hobby and we deliberately use CW for  
>enjoyment.

You would rather pay MORE for your equipment, and receive less benefit in return? Very few of us are so generous towards equipment and parts suppliers. :-)

You're hit the nail right on the head with your last sentence - it's a pretty good bet that the amateurs who use CW do so because they enjoy it ( Why else? )

Why should you eliminate a large class of people who enjoy other aspects of the RF art, simply because you like to use one small portion of it, and think that everyone should?

>Another excuse often used is: "CW is used to keep people out of Amateur  
>Radio." This is nonsense! This is just another excuse derived from our  
>"reasons" because of the learning barriers we've inflicted upon  
>ourselves. WE ARE THE PROBLEM, NOT CW!  
>

Actually, use DejaNews to look at the postings in the rec.radio.amateur.policy newsgroups - there are a HUGE number of pro-coders who publicly espouse \*precisely\* that reason for continuing the CW requirement - they want to limit the number of users in the HF bands. So, for the small minority of people who you may encounter who tell you that - they are completely justified in feeling that way.

It's a matter of public record.

Now, I think I'll go back downstairs and have a few CW QSO's with my homebrew xmitter. It is fun, after all. After that I'll spend an hour or so debugging the DSP board, which I'll use for some digital QSO's. Isn't this hobby here for us to learn, as well as have some fun?

- - Rich

- - -

Rich Mulvey

mulveyr@frontiernet.net

Rochester, NY USA

<http://www.frontiernet.net/~mulveyr>

Amateur Radio: aa2ys@amsat.org, aa2ys@wb2wxq.#wny.ny.usa

-----BEGIN PGP SIGNATURE-----

Version: 2.6.3a

Charset: noconv

iQB1AwUBM1ahF0yVoBz3nmPRAQH77wMAvNEJ+AOZ+/Wkk5kBmBr1fBgDNUAqrbLj  
mFsHB/SndsopxTjKvLUAIFVhkKrmA10m5d7DnmMVeU0/6vH/S03X0UV/Mp+MUMLX  
7SJKbn9UqXUkladL5x3wPQVV18knTbZT  
=KZ+u  
-----END PGP SIGNATURE-----

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: Craig LaBarge <LaBarge\_C@compuserve.com>  
Subject: [17548] Re: Unofficial QRP TTF Stuff  
Message-ID: <199704162309\_MC2-146E-484E@compuserve.com>

Paul Harden <pharden@aoc.nrao.edu> wrote:

> This year's QRP To The Field (QRP TTF) is quickly approaching. This  
> year's "theme" is to operate from some mysterious place ... like a  
> UFO crash site, Big Foot area, a haunted house, etc.

Well, after wracking my brain for an operating location to go along with the QTTF theme, I decided to stay right here in Phoenixville, PA, the home of the "Blob." Some of you might remember this classic science fiction movie from the 50s, starring a very young Steve McQueen in one of his earliest roles. For those of you who don't remember, the Blob was a glob of gooey stuff which fell from outer space, grew in size, and proceeded to terrorize the inhabitants of a small town. Many of the film's scenes were filmed here in Phoenixville, including the famous movie theater scene where the Blob chases a crowd of screaming theater-goers out into the streets. The Colonial Theater is still here, despite the Blob. :-)

I'll probably make up some special "Home of the Blob" QSL cards for the contest.

73, Craig WB3GCK

From owner-qrp-1@Lehigh.EDU Thu Apr 17 18:04:11 1997  
From: rerobins@unccvm.uncc.edu (Rick Robinson)  
Subject: [17572] Re: Want to work for Henson Creatures??  
Message-ID: <v0213050faf7ba83d28c9@[152.15.144.13]>

Hmmm.... Maybe design something that lives in an Altoids box and speaks in CW only.

Rick kf4ar